Caernarvonshire County Council.

ANNUAL REPORT

OF THE

County Medical Officer of Health

WITH, WHICH IS INCORPORATED

A Summary of the Annual Reports

OF THE

District Medical Officers of Health

For the Year 1937

CARNARVON, January 1938.

[illegible] Bowen and Son, Printers, Caernarvon.

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CAERNARVONSHIRE COUNTY COUNCIL.

ANNUAL REPORT OF THE

County Medical Officer of Health

FOR THE YEAR 1937.

County Health Committee (1938).

Chairman
Vice-Chairman
Alderman Ellis W. Davies.
,, T. Rhys Evans.
,, W. George
,, O. Wynne Griffith.
,, Isaac Jones.
,, J. R. Pritchard.
Councillor D. A. Bryan.
,, Mrs. E. Darbishire.
,, H. Dowler.
,, Humphrey Evans.
,, Owen Ellis
,, Mrs. A. Fisher.
,, Mrs. E. Griffith.
,, G. Griffiths.
,, R. J. Helsby.
,, Robert Hughes.
,, W. M. Hooton.
,, J. T. Jarret.
,, Richard Jones.
,, R. J. Gresley Jones.
Alderman E. Hugheston Roberts.
Councillor J. T. Jones.
,, E. R. Joees.
,, D. J. Lewis.
,, Mrs. E. M. Marks.
,, Mrs. E. S. O'Regan
,, O. Gwyrfai Owen
,, J. W. Pritchard.
,, Hugh Parry.
,, R. J. Parry. (Conway)
,, Hugh Roberts.
,, W. A. Roberts.
,, J. Evan Roberts.
,, J. Howell Roberts.
,, Robert Roberts
,, W. W. Spier.
,, Richard Thomas.
,, G. R. Williams.
,, John Williams.
,, G. H. Winstanley.
,, W. Hugh Williams.

Clerk to the County Council ..DAVID G. JONES, Solicitor.
Deputy Clerk to the County Council. ..WILLIAM JONES, Solicitor.
County Treasurer. ..G. GREGORY WILLIAMS.

Medical Officers and Nurses in the Public Health Service.

County Medical Officer .. ..
School Medical Officer .. ..
Medical Officer to the :—
Mental Deficiency Committee
Maternity & Child Welfare Committee
Public Assistance Committee
} D. E. PARRY PRITCHARD, M.D., D.P.H., M.B., Ch.B. (Liverpool).

County Superintendent Nurse .. ..M. DENNIS JONES, Fully Trained Nurse, Certified Midwife

Assistant School Nurse .. .. ..KATE PARRY, R.S.I.

Whole time Health Visitors and School Nurses.

Bangor	..G. M. THOMAS, R.S.I., Fully Trained Nurse, Certified Midwife.
Caernarvon	..MARGARET HUGHES, Fully Trained Nurse, Certified Midwife
Llandudno	..GAYNOR WILLIAMS, R.S.I., Fully Trained Nurse, Certified Midwife.

Forty three District Nurses act as part-time Health Visitors in their respective districts.

Food and Drugs Acts.

Public Analyst	..HAROLD LOWE, M.Sc., F.I.C. Laboratory, Assay Office, Chester.

County Inspectors :

Southern Division	..E. T. EDWARDS.
Northern Division	..ROBERT ROBERTS.

Veterinary Inspectors :

(*Diseases of Animals Acts*).

Name.	*Area.*
W. HALL SAVAGE, Bangor.	..Conway Police Division (Temporary).
W. HALL SAVAGE, Bangor.	Bangor Police Division.
T. MALDWYN EVANS, Caernarvon.	Caernarvon Police Division and the Parish of Beddgelert.
G. JONES ROBERTS, Pwllheli.	Pwllheli Police Division, except the Parish of Beddgelert.

Milk Officer.

ERNEST JONES	..County Offices, Caernarvon.

Tuberculosis Officers (for Caernarvonshire and Anglesey).

Dr. V. EMRYS JONES	..Tuberculosis Institute, 5, Abbey Road, Bangor.
Dr. J. GLYN COX	Do. do.

District Medical Officers and Public Vaccinators.

Dr. C. A. A . Lever, Hatherton, Gloddaeth Street, Llandudno.
Dr. W. Thomas, Bodreinallt, Conway.
*a*Dr. W. E. Williams, Llys Meddyg, Penmachno.
Dr. A. Thompson Hill, Henar, Llanrwst.
*Dr. J. T. Burrell, Brynfa, Bangor.
Dr. Thomas Bellis, Wernto, Llanfairfechan.

*Dr. Idwal Williams, 6, Ogwen Terrace, Bethesda.
*Dr. R. Armsden, Cae Llenor, Caernarvon.
Dr. A. L. Miles, Treferw, Waenfawr.
Dr. E. H. Griffiths, Bronygaer, Rhosisa, Rhostryfan.
Dr. W. G. Owen, Brynteg, Penygroes.
*Dr. J. Douglas Jones, Bryngwyddfan, Llanberis.
Dr. G. Ap Vychan Jones, Llys Meddyg, Portdinorwic.
Dr. Lloyd W. Hughes, Llys Meddyg, Botwnnog.
Dr. G. H. D. Evans, Garth, Abersoch.
Dr. H. Hughes Jones, Dwylan, Morfa Nevin.
Dr. T. H. Rhys, Delfryn, Pwllheli.
Dr. J. Ll. Rowlands, Bryn Meddyg, Llanaelhaiarn.
*Dr. R. R, Prytherch, Plas Newydd, Criccieth.
Dr. Arwyn Roberts, Vrogain, Portmadoc.

a Joint Officers.
*Public Vaccinators.

Medical Officers—Public Assistance Institutions.

Name of Institution.	*Medical Officer.*
DOLWAEN, CONWAY	..Dr. W. Thomas, Bodreinallt, Conway.
ST. DAVID'S HOSPITAL, BANGOR	..Dr. L. Lancaster, Vron, Upper Bangor
BODFAN INSTITUTION AND ERYRI HOSPITAL, CAERNARVON ..	..Dr. W. Hilton Parry, Ty Newydd, Castle Street, Caernarvon.
CARTREF, PWLLHELI	..Dr. W. Charles Evans, 2, Salem Terrace, Pwllheli.

Vaccination Officers :

Mr. R. T. Jones, Broncoed, St. Mary's Road, Llandudno.
Mr. W. J. Williams, Meddiant, Conway.
Mr. D. Ernest Parry, Guardians Offices, Conway.
Mr. W. Thomas, Whitecote, Caernarvon Road, Bangor.
Mr. R. J. Ellis, Hengoed, Bethesda.
Mr. O. Pritchard, 1, Llanberis Road, Caernarvon.
Mr. B. Ll. Hughes, Cartrefle, Groeslon.
Mr. F. Vaughan Jones, Bodawel, Penygroes.
Mr. J. O. Williams, Lletty Llwyd, Llanrug.
Mr. Robert Roberts, Argraig, Sarn.
Mr. W. M. Jones, Noddfa, Pwllheli.
Mr. J. T. Williams, Avallon, Fourcrosses
Mr. F. Ll. Buckingham, Eirianfa, Portmadoc.

Office Staff (Health and School work).

Chief Clerk ..	..D. T. WILLIAMS.
Assistant Clerks	..VIOLET A. ROBERTS.
	T. IVOR WILLIAMS.
	STANLEY WILLIAMS.
	GWYNETH THOMAS.

To the Chairman and Members of the County Health Committee.

LADIES AND GENTLEMEN,

I have much pleasure in presenting my Seventh Annual Report on the health Services of the County.

MATERNITY AND CHILD WELFARE.

The Midwives Act of 1936 came into operation in this County on 31st October, 1937. There was very close co-operation between the Caernarvonshire County Nursing Association and the Council during the preliminary stages of formulating proposals under the Act. Administrative details of the Act wil be found on pages 68—74.

It is very disturbing to find another increase in the Maternal Mortality rate to one of the highest figures yet recorded of 9.2 per 1,000 Live Births. Following the extension of the Maternity Department at the County Hospital, and the provision of Pre-Natal Clinics staffed by a Specialist Officer this year, I hope that the rate for 1938 will be much lower. The Council has recently extended its provision of milk in necessitous cases. I am convinced that a high Maternal Mortality rate is not due to one particular cause, but to a combination of causes, including a poor standard if midwifery, lack of adequate treatment during the pre-natal period, insufficient and unsuitable food and delay in booking a midwife or doctor.

Premature Births accounted for 33 deaths in infants under one year of age. I hope that doctors and midwives will now make every endeavour to encourage the admission of premature babies to the County Hospital, Bangor, where special facilities are provided for the care of such infants. A large percentage of these deaths is avoidable.

Attendance at the Infant Welfare Clinics continues to be satisfactory, and infants are regularly visited in their homes by the Health Visitors.

The Orthopaedic Service has been well maintained and particulars of cases dealt with will be found on page 22. Several cases of congenital dislocation of the hip have been ascertained in the last few years. Of the ten now on the register—all girls—four are suffering from dislocation of both hips. These cases may be diagnosed at birth, or at a very early age, if the condition is carefully looked for. Unfortunately, all the cases, with the exception of three, were attending school before they were brought to my notice, and treatment was therefore very prolonged and painful. All infants should be thoroughly examined soon after birth, so that all congenital conditions might be adequately treated. Torticollis or Wry Neck is another common condition which requires, but rarely receives, early treatment.

HOUSING.

I have endeavoured to obtain an accurate record of housing activities in the County for the last ten years, and the tables on page 81 are very illuminating. At the end of the year 1937, the Sanitary Inspectors report that there exists in the County 1501 houses in a state so dangerous or

injurious to health as to be unfit for human habitation, and 1722 houses not in all respects reasonably fit for human habitation. These are appalling figures and I believe that the figures would be even larger if a reasonably high standard of ascertainment was adopted by every authority.

Two authorities—Lleyn and the now extinct Geirionydd R.D.—had not built a single house during the period, although the standard of working class houses in both districts is poor. The Tuberculosis death rates and other mortality figures are high in both districts.

There is considerable variation in the procedure adopted by the local Sanitary Authorities in dealing with houses which are unfit for human habitation. All Authorities do not serve demolition orders, and I fear that unfit houses have been let to tenants after they have been classified as unfit. All owners should be notified by letter immediately their houses are regarded as unfit by the Local Authority.

WATER SUPPLIES.

Fair progress has been made towards providing pure water supplies in the rural areas.

An interesting table will be found on page 75, giving details of water analyses. Although 54 separate water supplies are provided by local authorities, only 68 samples were analysed in two years. I find that most authorities seem to rest content after they have obtained an initial satisfactory sample when the supply is first put into service. Several supplies are not adequately protected and are liable to contamination. Local authorities incur a very serious responsibility if they continue to supply water which is not free from the risk of communicating disease or affecting the health of those who drink it.

MILK.

Mr. Ernest Jones, the Milk Officer, has written an interesting report which appears on pages 63—66.

As he has visited practically all the registered cowsheds in the County, I asked him to make some general references to the milk supply in the County.

NUTRITION.

A grant of £100 per annum is made to the Federation of Women's Institutes, who again organised very successful cookery and nutrition classes in several areas in the County. These classes are not provided for the members of the Institute, but for the working-class housewives. Valuable information and practical demonstrations are given at the classes.

INSPECTION OF FOOD.

I am not satisfied with the inspection of food in the County. The County Inspectors under the Food and Drugs Act are also Inspectors under the :—

Weights and Measures Act.
Fertilisers and Feeding Stuffs Act.
Merchandise Marks Acts.
Pharmacy and Poisons Acts.
Road Traffic Act.
Agricultural Produce (Grading & Marking) Act.
Shops' Act,

and their duties have increased in the last few years. Consequently they have less time to devote to taking samples of food and drugs. Samples taken are too limited both in number and in variety.

Inspection of food by the Sanitary Inspectors of Local Authorities is also not satisfactory in many areas, due to insufficient staff. In the four Rural areas there are 89 slaughter houses and only 502 visits were made to these by Sanitary Inspectors in 1937. These figures represent less than 6 visits per annum ; the lowest figure being an average of two visits per annum in Lleyn. Other establishments connected with the sale of food are not visited regularly and frequently, as the table below demonstrates :—

RURAL DISTRICTS.

	Gwyrfai.		*Lleyn.*		*Ogwen.*		*Nant Conway.*	
	No.	*Visits*	*No.*	*Visits*	*No.*	*Visits*	*No*	*Visits*
Cowsheds and Farm Dairies ..	148	408	120	173	91	143	276	50
Retailing Milk Carts..	81	148	35	..	23	43	20	..
Meat Shops	49	198	21	26	3	27	7	14
Retailing Meat Carts	28	115	21	..	4	14	9	..
Bakehouses	33	45	15	28	3	6	13	26

The figures are taken from the Report of the District Medical Officer of Health. In view of the consistently high mortality statistics in this County, it is time for action to be taken by all authorities. All Sanitary Inspectors appointed in future should possess the Meat Inspectors' Certificate. Authorities could materially reduce the amount of time required for meat inspection by reducing the number of slaughter houses in each area.

According to the report of the District Medical Officers of Health, the Sanitary Inspectors of the Bethesda, Llanfairfechan, Nant Conway, Ogwen, Criccieth, Pwllheli, Portmadoc, Lleyn and Bettws-y-coed Sanitary Authorities did not take one sample of milk during 1937, although the authorities mentioned are responsible for the supervision of approximately 616 cowsheds and the cleanliness of the milk supply in their areas, in accordance with the provisions of the Milk and Dairies Order, 1936. Many farmers who are not registered by Sanitary Authorities sell large quantities of

milk during the summer months to other producers and there does not appear to be much supervision exercised by the responsible Sanitary Authorities. The County Council is only responsible for the administration of the Milk—Special Designations Order.

The dual appointment of Sanitary Inspector and Surveyor is one that should be abolished. Because of the continuous advancements made in Sanitary Science it is impossible for one individual to perform both duties efficiently.

PUBLIC ASSISTANCE.

The "Panel" system of out-door medical relief has been further extended and now operates in :—

Districts.	*Comprising Parishes of*
Llanrug	..Llanberis, Llanrug and Upper Part of Llanddeiniolen.
Criccieth	..The old Parish of Criccieth, Penllyn, Llanystumdwy and Llanarmon, as revised by the Caernarvonshire Review Order, 1934.
Bangor	..Bangor and Pentir.
Caernarvon	..Llanbeblig and Llanfaglan.
Bethesda	..Bethesda, Llandegai and Llanllechid.

Plans for a new institution at Pwllheli are being considered, and many improvements have been made to the institutions at Caernarvon and Conway to still further increase the comfort of the inmates. A new dietary has also been introduced recently.

Children at the Blodwel Homes have been immunised against Diphtheria, and children at the Bodfan Mental Home have been immunised against Diphtheria and Scarlet Fever.

CANCER.

A slight decrease is recorded in the Cancer death rate this year. Cases are treated in the Caernarvonshire and Anglesey Infirmary, Bangor, and in the Cancer Department of the Liverpool Hospital. Existing services have been maintained at the Caernarvonshire and Anglesey Infirmary, but the "Deep Therapy" apparatus has not yet been obtained.

BLIND PERSONS.

There are 314 registered blind persons in the County. The Council now augment their income to at least 15/- per week. Cases are constantly being reported to the Blind Welfare Officers, and several receive operative and other treatment to restore or improve eyesight. Careful observation is kept on those showing signs of incipient blindness.

TUBERCULOSIS.

Deaths from Tuberculosis are increased by eight this year, to a total of 155. Notification of cases has improved considerably in recent years,

but further improvement is needed. Last year 25 cases died which had not been notified.

Examination of contacts is of paramount importance in all Tuberculosis services, but owing to other pressing demands on the time of the staff, the Tuberculosis Officer was able to examine only 167 contacts last year. I hope the Memorial Association will be able to give their attention to this important part of their service.

Dr. Emrys Jones and his staff have again rendered valuable assistance to me.

In my next report, I propose to deal fully with the results of the Inquiry into the Incidence of Tuberculosis which was conducted by Clement E. Davies, Esq., K.C., and Dr. J. H. Coutts.

I am indebted to the Chairmen and Members of the various Committees for their continued assistance and encouragement. All members of the Staff have worked conscientiously and under considerable pressure during the year, and my thanks are due to them for their loyalty and co-operation.

I am,

Ladies and Gentlemen,

Your obedient Servant,

(*Signed*) D. E. PARRY PRITCHARD.

SUMMARY OF VITAL STATISTICS.

Area in Acres	364,108
Population—Census 1931	120,820
Registrar-General's estimate of resident population, 1937 ..	118,880
Rateable value	£601,433
Produce of 1d. rate	£2,350

Extracts from Vital Statistics of the year :—

Live Births :—	*Total*	*Males*	*Females.*	
Legitimate	1529	777	743	(Birth-rate per 1,000 of the
Illegitimate	95	50	45	(estimated resident population **13.5**

Still Births :—				
Legitimate	78	42	36	(Rate per 1,000 total (live and still)
Illegitimate	8	4	4	(births 50.5

Deaths from all causes	1853	941	912	Death-rate 15.5.

Deaths from puerperal causes :—

	Deaths.	*Rate per* 1,000 *total (live and still) births.*
Puerperal Sepsis ..	8	4.7
Other puerperal causes	7	4.1
Total ..	15	8.8

Death-rate of Infants under one year of age :—

All Infants per 1,000 live births ..	66.2
Legitimate Infants per 1,000 legitimate live births ..	63.8
Illegitimate Infants per 1,000 Illegitimate Live Births ..	105.2

Deaths from Diarrhoea (under 2 years of age) 7 (.43 per cent of Live Births).

Deaths from Measles (all ages) Nil.

Deaths from Whooping Cough (all ages) 3.

Zymotic Mortality (20 deaths) .16 per 1,000 of the population.

Cancer Death-rate (251 deaths) 2.1 per 1,000 of the population.

Respiratory Diseases (156 deaths) 1.3 per 1,000 of the population.

Tuberculosis Death-rate (155 deaths) 1.3 per 1,000 of the population.

AREA AND POPULATION OF THE COUNTY.

RURAL DISTRICTS.

District.	*Estimated Resident Population by Registrar General* 1937.	*Acreage as constituted at 30th June,* 1935.
Nant Conway	6,330	88,222
Gwyrfai	23,790	96,475
Lleyn	17,310	114,831
Ogwen	5,010	32,526
	52,440	332,054

URBAN DISTRICTS.

Bangor	12,380	1,576
Bethesda	4,509	893
Bettwsycoed	765	4,472
Caernarvon	8,672	2,213
Conway	8,960	3,808
Criccieth	1,469	1,132
Llandudno	15,090	4,920
Llanfairfechan	3,074	4,472
Penmaenmawr	3,889	3,814
Pwllheli	3,572	1,211
Portmadoc	4,060	3,543
	66,440	32,054

RURAL AND URBAN DISTRICTS.

Rural	52,440	332,054
Urban	66,440	32,054
	118,880	364,108

VITAL STATISTICS FOR 1937.

BIRTH RATE AND DEATH RATE PER 1,000 of the population.

District.	*Births*		*Deaths (All Causes)*	*Zymotic Mortality*	**Infantile Mortality*	*Cancer*	*Respiratory Diseases.*	*Tuberculosis*
	Live	*Still*						
Rural Districts :								
Nant Conway ..	16.4	.3	16.5	.31	57.6	1.1	2.0	2.0
Gwyrfai	15.0	.7	17.6	.37	89.3	2.2	1.5	2.3
Lleyn	14.0	.7	17.2	Nil	37.0	2.4	1.0	1.3
Ogwen	14.7	.9	16.3	.39	27.0	1.3	1.7	.9
Urban Districts :								
Bangor	13.2	.9	12.0	Nil	36.5	1.5	1.1	1.0
Bethesda	13.3	.8	20.4	Nil	116.6	2.4	3.5	2.2
Bettwsycoed ..	15.6	Nil	28.7	Nil	83.3	1.3	1.3	6.5
Caernarvon ..	15.4	.9	17.8	.23	89.5	2.7	1.7	1.0
Conway	13.0	.6	12.2	.11	68.3	1.8	1.0	.5
Criccieth	9.5	.6	21.7	Nil	214.2	6.1	.6	Nil
Llandudno	10.9	.7	12.5	.06	72.7	1.7	.9	.6
Llanfairfechan ..	9.4	Nil	13.6	.97	103.4	1.6	.6	Nil
Penmaenmawr ..	8.7	.7	10.2	Nil	88.2	2.0	Nil	.2
Pwllheli	12.5	.5	14.2	Nil	22.2	2.5	1.1	.5
Portmadoc	15.2	.2	16.2	Nil	32.2	2.7	.9	.7
Rural Districts ..	14.8	.7	17.2	.24	62.9	2.1	1.4	1.8
Urban Districts ..	12.5	.7	14.2	.10	69.3	2.1	1.2	.8
Total County	13.5	.7	15.5	.16	66.2	2.1	1.3	1.3
England and Wales ..	14.9	.60	12.4	..	58.0	..	..	..

* Death Rate per 1,000 Live Births.

BIRTHS AND BIRTH RATES.

The total number of Live Births registered during the year was 1,615 (Males 827 : Females 788) or at a rate of 13.5 per 1,000 of the population ; the total number of Still-Births being 86 (Males 46, Females 40) a rate of .7 per 1,000 of the population.

In the four Rural Districts there were registered 779 Live Births, i.e. a rate of 14.8 per 1,000 of the population and 38 Still Births, a rate of .7 per 1000 of the population.

In the eleven Urban Districts there were registered 836 Live Births i.e., a rate of 12.5 per 1,000 of the population and 48 Still-Births a rate of .7 per 1,000 of the population.

The Birth Rate per 1,000 of the population in the various Districts in the county during the last 5 years is given in the table below.

District. ..	1933.	1934.	1935.	1936.	1937.
Rural Districts :					
Nant Conway ..	—	17.3	14.5	13.0	16.4
Gwyrfai ..	14.9	14.5	15.5	15.0	15.0
Lleyn	13.9	13.5	13.9	13.7	14.0
Ogwen ..	12.4	11.8	12 8	11.1	14.7
Urban Districts :					
Bangor ..	13.1	13.4	13.7	14.3	13.2
Bethesda ..	16.2	15.5	13.7	14.2	13.3
Bettwsycoed ..	8.5	10.0	5.1	10.2	15.6
Caernarvon ..	14.9	14.0	15.5	16.5	15.4
Conway ..	15.4	11.7	14.3	12.5	13.0
Criccieth ..	9.2	11.0	13.6	6.1	9.5
Llandudno ..	10.4	9.6	11.2	11.0	10.9
Llanfairfechan	15.2	11.6	12.7	11.5	9.4
Penmaenmawr	13.1	12.8	10.2	11.6	8.7
Pwllheli	13.4	12.0	15.1	11.7	12.5
Portmadoc ..	15.1	14.8	12.9	11.5	15.2
Rural Districts ..	14.1	14.4	14.6	14.0	14.8
Urban Districts ..	13.4	12.4	12.5	12.8	12.5
Total for County ..	13.7	13.3	13.8	13.3	13.5
England & Wales	14.4	14.8	14.7	14.8	14.9

ILLEGITIMATE BIRTHS.

There were 95 Illegitimate Live Births in the county during the year 1937 representing a rate of 5.8 per cent of the total Live Births as compared with a rate of 5.5 per cent for the year 1936.

Rural Districts.

District.	*Total Live Births.*	*Number of Illegitimate Births.*	*Percentage.*
Nant Conway	104	3	2.8
Gwyrfai	358	20	5.5
Lleyn	243	20	8.2
Ogwen	74	5	6.7
Total	779	48	6.1

Urban Districts.

Bangor	164	9	5.4
Bethesda	60	3	5.0
Bettwsycoed	12	1	8.3
Caernarvon	134	6	4.4
Conway	117	7	5.9
Criccieth	14	1	7.1
Llandudno	165	16	9.6
Llanfairfechan	29	Nil	—
Penmaenmawr	34	Nil	—
Pwllheli	45	2	4.4
Portmadoc	62	2	3.2
Total	836	47	5.6
Total for county	1615	95	5.8

INFANTILE MORTALITY,

During the year 107 Infants (97 Legitimate and 10 Illegitimate) under one year of age died, equivalent to a rate of 66.2 per 1,000 Live Births.

Cause of Death.	*No. of Deaths.*
Premature Birth	33
Pneumonia	20
Convulsions	7
Bronchitis	6
Gastro Enteritis	5
Marasmus	5
Haemorrhagic diseases of the new born	5
Heart Disease	4
Melaena Neonatorum	3
Influenza	3
Whooping Cough	2
Asphyxia Neonatorum	2
Debility	2
Atelectasis	2
Birth Injury	2
Spina Bifida	1
Haemoptysis	1
Icterus Neonatorum	1
Accidental Death	1
Pulmonary Oedema	1
Intestinal Colic	1
	107

MATERNAL MORTALITY.

The number of deaths from puerperal causes during the year 1937 was 15 (Puerperal Sepsis 8; Other puerperal causes 7) a rate of 9.2 per 1,000 Live Births.

Distribution of Deaths :—

Urban.		*Rural.*	
Bangor	3	Lleyn	1
Conway	Nil.	Gwyrfai	4
Bethesda	1	Ogwen	2
Caernarvon	2	Nant Conway	Nil.
Portmadoc	1		
Pwllheli	1		
	8		7

The Maternal Mortality rate per 1,000 Live Births during the last five years together with the rates for England ond Wales is given in the following tables :—

Puerperal Sepsis.

	1933.	1934.	1935.	1936.	1937.
Caernarvonshire	1.21	2.51	2.42	2.5	4.9
England and Wales	1.79	2.03	1.68	1.40	.97

Other Puerperal Causes.

	1933.	1934.	1935.	1936.	1937.
Caernarvonshire	4.2	3.76	5.4	4.3	4.3
England and Wales	2.63	2.57	2.42	2.41	2.26

NURSING HOMES REGISTRATION ACT, 1927.

REGISTRATION OF MATERNITY AND OTHER NURSING HOMES.

1. Total number of Homes registered as at 31st December, 1937 :—
   Maternity Homes .. } 11
   Other Nursing Homes }
2. Number of applications for registration received during the year 1937 2
3. Number of Homes registered during the year 1937 2

No further action was taken under this Act during the year 1937.

Inspections are made by the County Medical Officer of Health and the Superintendent Health Visitor.

MATERNITY HOMES AND HOSPITALS.

	Institutions (with Maternity wards) transferred to the Council under the Local Government Act, 1929.	*Institutions provided by Voluntary Associations towards which a grant is made by the Council.*
Number of Institutions	4	3
Number of Maternity beds	18	10
Total number of women admitted to these beds during the year ..	151	78

PUBLIC ASSISTANCE INSTITUTIONS.

Number of Maternity cases admitted during the years 1933—1937 :—

1933	1934	1935	1936	1937
36	22	60	77	151

MATERNITY AND CHILD WELFARE.

MIDWIVES.

Number in Practice on the 31st December, 1936		75
Number in practice on the 31st December 1937		86
Queen's Nurses ..	..22	
County Nurses ..	..31	
Registered Midwives	.. 2	
In Institutions, etc.	..31	

INSPECTION OF MIDWIVES.

Number of Routine Inspections	218
„ Special Visits	14

RETURN OF WORK OF MIDWIVES.

1. Number of cases attended by Midwives during the year :—

(i.) as Midwives	932
(ii.) as Maternity Nurses	628
Total	1560

2. Number of deaths of Infants under 10 days old .. 33
3. Total number of cases in which " Medical Aid " was summoned 236

INFECTIOUS CASES DEALT WITH.

Disease.	*Number of cases notified.*	*Cases visited by Officers of the Council.*	*Cases. nursed at home.*	*Cases removed to Hospital.*
Ophthalmia Neonatorum ..	7	2	2	5
Pemphigus Neonatorum ..	..	..	..	..
Puerperal Fever	6	2	3	3
Puerperal Pyrexia	11	5	5	6

INFANT CLINICS AND INFANT VISITING.

There are three whole-time and 43 part-time Health Visitors in this County.

Return supplied by Health Visitors on the feeding of Infants born during the year :—

Breast	.. 781
Bottle	.. 413
Breast and Bottle	.. 194
Total	..1388

NEO-NATAL DEATHS.

Cause of Death.	*No. of Deaths.*
Premature Birth	31
Convulsions	6
Pneumonia	4
Haemorrhagic disease of the new born ..	4
Heart Disease	3
Atelectasis	3
Influenza	3
Asphyxia Neonatorum	2
Melaena Neonatorum	2
Debility	2
Birth Injury	2
Icterus Neonatorum	2
Marasmus	1
Bronchitis	1
Cerebral Haemorrhage, ...	1
Accidental Death	1
Pulmonary Oedema	1
Haemoptysis	1
Total	70

ORTHOPAEDIC TREATMENT.

MATERNITY AND CHILD WELFARE SECTION.

New cases seen at Centre	..	35
Total Attendances— New Cases	..	35
Old Cases	..	64
Cases treated— Hospital ..	..	2
Massage and S.R.E.	..	15
Appliances ..	..	13
Total Length of stay in Hospital of all cases		290 days
Nature of Defects treated :—		
Flat Feet ..	.. ..	10
Knock Knees	.. ..	8
Bow Legs ..	.. ..	4
Torticollis ..	.. ..	3
Poor Posture	.. ..	2
Arthrogryphosis	.. ..	1
Congenital Dislocation of hip	..	1
Spastic Hemiplegia	.. ..	1
Not orthopaedic	.. ..	2
Various ..	.. ..	3
Total ..	.. ..	35

MATERNITY AND CHILD WELFARE.

NUMBER OF VISITS PAID BY HEALTH VISITORS DURING 1937.

District.	Total No. of Births.	No. of First Visits.	No. of Revisits.	Total No. of Visits.	Visits to children between :— 1 and 5 years of age	Expectant Mothers. First Visits.	Expectant Mothers. Total Visits.	Midwifery. No. of Cases. Midw.	Midwifery. No. of Cases. Mat.
Whole-Time Health Visitors.									
1. Bangor	146	144	1645	1789	1754	48	79	..	..
2. Caernarvon	134	120	1506	1626	2146	51	132	..	..
3. Llandudno	139	130	1407	1537	2542	43	94	..	..
Part-time Health Visitors.									
1. Aberdaron	14	9	62	71	330	10	99	9	3
2. Beddgelert	10	10	118	128	132	10	44	7	3
3. Bettwsycoed	18	18	74	92	172	22	77	8	10
4. Caerhun	20	22	88	110	165	20	131	12	8
5. Chwilog	15	15	53	68	96	15	107	7	8
6. Criccieth	24	22	157	179	264	25	165	8	7
7. Conway	41	41	220	261	737	34	160	25	9
8. Deganwy and Llandudno Junction	60	58	285	343	1109	45	253	21	27
9. Clynnog and District ..	10	9	41	50	189	9	68	9	1
10. Dolgarrog	18	17	76	93	2243	25	92	13	5
11. Dolwyddelen	8	8	50	58	206	8	62	3	5
12. Deiniolen	55	54	177	231	790	43	186	21	17

13. Edern and Tydweiliog ..	17	14	88	102	272	13	68	10	7
14. Efailnewydd and Distriet ..	25	25	135	163	313	29	133	16	9
15. Eifl	12	10	89	99	564	10	104	4	6
16. Fourcrosses	23	23	140	163	243	17	201	9	10
17. Garn	11	10	65	75	132	11	47	8	1
18. Llanengan & Llangian ..	30	27	84	111	435	23	104	16	2
19. Llanberis	25	31	268	299	397	24	197	13	12
20. Llandwrog	41	42	158	200	165	47	145	11	22
21. Llanfairfechan and Aber ..	34	30	228	258	418	32	156	27	5
22. Llanrug	38	36	160	196	322	29	164	21	6
23. Llanwnda	40	39	142	181	396	27	134	9	23
24. Nantlle Vale	55	49	281	330	733	55	339	28	23
25. Nevin	28	25	112	137	442	26	127	15	10
26. Ogwen Bethesda	66	68	327	395	1071	73	434	52	9
27. Penmaenmawr	35	30	143	173	569	27	58	4	15
28. Penmachno and Cwm ..	23	22	97	119	147	28	103	12	11
29. Penmorfa	10	10	35	45	241	10	48	9	..
30. Penrhynside, ...	11	11	59	70	243	10	76	5	5
31. Bethel, Rhiwlas & Penrhyr..	22	22	282	304	336	24	183	8	14
32. Portdinorwic	39	36	197	233	373	31	202	4	31

District.	Total No. of Births.	No. of First Visits.	No. of Revisits.	Total No. of Visits.	Visits to children between :— 1 and 5 years of age.	Expectant Mothers. First Visits.	Expectant Mothers. Total Visits.	Midwifery No. of Cases Midw.	Midwifery No. of Cases Mat
33. Portmadoc	58	55	236	291	812	36	405	22	6
34. Pwllheli	35	33	247	280	222	35	181	16	14
35. Sarn and District	30	23	104	127	411	23	60	19	10
36. Trefriw	8	10	42	52	190	10	56	..	3
37. Trefor	9	7	28	35	116	9	86	3	6
38. Waenfawr	18	16	76	92	360	23	144	12	5
39. Llandegai & Glasinfryn ..	15	15	44	59	201	14	63	7	3
40. Yspytty Ifan	1	1	1	2	22	1	10	—	1
Totals	1471	1397	9827	11224	23,021	1105	5777	503	372

INFANT WELFARE CENTRES.

Clinic Centre.	*Sessions held*	*Day and Time of Meeting.*	*Average Attendance of Children per Session.* 1937	1936	*No. who attended for first time.* *Children under 1 year*	*Children between 1 and 5 years*	*Clinic Medical Officers.*
BETHESDA : Glanogwen Church House	Fortnightly	2—4 p.m., alternate Fridays	57	62	60	1	Dr Idwal Williams. Dr. Rees Pritchard.
BANGOR : Girl Guides Headquarters..	Weekly	2—4 p.m., Thursdays	98	97	86	22	Dr. Idwal Griffith. Dr. D. Lancaster.
CAERNARVON : New General Clinic	Fortnightly	2 p.m., alternate Wednesdays	55	56	35	5	Dr. W. Hilton Parry. Dr. Armsden. Dr. A. M. Humphreys. Dr. Page Thomas.
CONWAY : Drill Hall	Monthly	2.30 p.m. last Tuesday in month	51	53	35	7	Dr. C. E. Hammond Gater. Dr. W. Thomas. Dr. Tattersall. Dr. Mathias.
CRICCIETH : Memorial Hall	Monthly	2.30 p.m. first Tuesday in month.	37	36	14	1	Dr. Prytherch. Dr. P. W. Black.
DEINIOLEN : Free Library	Fortnightly	2—4p.m., alternate Wednesdays	36	33	40	2	Dr. Marren Dr. J. Douglas Jones.
DOLGARROG : Clinic Centre	Fortnightly	2.30 p.m., 2nd and 4th Thursday in each month.	25	19	24	1	Dr. Thompson Hill.
GROESLON : The Institute	Monthly	2 p.m., First Wednesday in each month	20	13	8	6	Dr. E. H. Griffiths.
GREAT ORME : Council School, Llandudno.	Fortnightly	3—15 p.m. 1st and 3rd Fridays in Month.	24	23	15	16	Dr. McWilliam. Dr. J. Reay. Dr. Mc Ewan.
LLANBERIS : Drill Hall ..	Fortnightly	2 p.m., alternate Wednesdays	31	29	25	51	Dr. J. Douglas Jones. Dr. I. Wynne Jones.

INFANT WELFARE CENTRES.—Continued.

Clinic Centre.	*Sessions held*	*Day and Time of Meeting.*	*Average Attendance of Children per Session.* 1937	1936	*No. who attended for the first time.* *Children under 1 year*	*Children between 1 and 5 years*	*Clinic Medical Officers.*
LLANRUG : Memorial Institute and Cwmyglo Infants' School ..	Fortnightly	2 p.m., alternate Wednesdays 3 p.m., alternate Wednesdays	17	15	22	--	Dr. J. Douglas Jones. Dr. I. Wynne Jones Dr. A. Miles.
LLANFAIRFECHAN AND ABER : Council Chambers	Fortnightly	2.30 p.m., alternate Thursdays	30	19	24	1	Dr. T. Bellis Dr. Isaac
LLANDUDNO JUNCTION : Council School ..	Monthly	3.30 p.m., 2nd Thursday in each month	34	23	18	30	Dr. E, R, Davies Dr H. Williams. Dr. Muriel Tattersall.
LLANDUDNO : War Memorial Centre..	Weekly	2 p.m., Mondays	92	98	81	42	Dr. J. Reay. Mr. McWilliam. Dr. MacEwan.
NEVIN : Central School	Monthly.	2 p.m. first Friday in month	20	20	11	13	Dr. Hughes Jones. Dr. Lloyd Hughes.
PENYGROES : Drill Hall	Monthly.	2 p.m., last Tuesday in month.	31	27	36	6	Dr. W. G. Owen. Dr. E. Rowlands.
PENMAENMAWR : Noddfa, ..	Fortnightly	2.30 p.m., alternate Fridays	54	50	25	--	Dr. R. Salter Ellis.
PORTMADOC : Girl Guides Hut ..	Fortnightly	2.30 p.m alternate Tuesday s	32	31	31	9	Dr. Wynne Jones. Dr. E. H. Morris
PWLLHELI : Chapel Vestry, Ala Road	Fortnightly	2 p.m., alternate Fridays	9	9	13	5	Dr, Charles Evans Dr. T. H. Rhys. Dr. Glanville Evans. Dr. Idris O. Jones.
RHOSTRYFAN : Horeb Schoolroom ..	Fortnightly	1.30p.m., alternate Tuesdays	30	24	19	4	Dr. E. H. Griffiths.
SARN : Memorial Hall	Monthly	2 p.m , first Friday	10	17	6	--	Dr. Lloyd W. Hughes
TREFOR : Village Institute	Fortnightly.	2 p.m. Alternate Tuesdays.	16	16	9	1	Dr. J. Ll. Rowlands.
WAENFAWR : M.C Vestry.	Monthly.	2 p.m., first Wednesday in month	20	22	14	10	Dr. A. L. Miles.
		TOTALS	829	792	651	233	

CHILD LIFE PROTECTION.

(Sections 206 to 220 of the Public Health Act, 1936).

1. Notification :—

(*a.*) Number of persons on the Register who were receiving children for reward at the end of the year .. 23

(*b*) Number of children on the Register :—

(i) at the end of the year 24

(ii) who died during the year .. .. Nil.

(iii) on whom Inquests were held during the year Nil

2. Visiting :—

(i.) Number of Health Visitors holding appointments as Infant Protection Officers .. 5

No further action was taken under this Act during the year 1937.

DEATHS AND DEATH RATES.

The total number of deaths registered in the county during the year was 1853, or at a rate of 15.5 per 1,000 of the population.

The chief causes of death in the county were :—

Heart Disease	389
Cancer	251
Respiratory Diseases	156
Tuberculosis	155

In the Urban Districts, 948 deaths occurred, giving a rate of 14.2 per 1,000 of the population.

In the Rural Districts, 905 deaths occurred, giving a rate of 17.2 per 1,000 of the poulation.

CAUSES OF DEATH DURING 1937.

	Number of Deaths.						Death-rate per 1000 of population.
	Urban Districts.		Rural Districts		Whole County.		
	M	F	M	F	M	F	
All Causes	492	456	449	456	941	912	15.5
1. Typhoid and Paratyphoid Fevers	..	..	..	..	..	..	..
2. Measles	..	..	..	..	..	..	..
3. Scarlet Fever	1	..	..	..	1	..	.008
4. Whooping Cough ..	..	..	2	1	2	1	.02
5. Diphtheria	1	3	3	2	4	5	.07
6. Influenza	23	30	25	27	48	57	.88
7. Encephalitis Lethargica ..	1	1	1	1	2	2	.03
8. Cerebro Spinal Fever ..	2	1	..	1	2	2	.03
9. Tuberculosis of respiratory system	31	20	52	36	83	56	1.1
10. Other Tuberculous diseases	4	3	2	7	6	10	.13
11. Syphilis	1	..	..	1	1	1	.01
12. General paralysis of the insane tabes dorsalis ..	1	1	..	..	1	1	.01
13. Cancer, malignant disease	72	68	44	67	116	135	2.1
14. Diabetes	7	..	4	5	11	5	.13
15. Cerebral Haemorrhage &c	27	39	25	17	52	56	.90
16. Heart Disease	116	80	98	95	214	175	3.2
17. Aneurysm	2	..	1	..	3	..	.02
18. Other circulatory diseases	14	38	22	25	36	63	.83
19. Bronchitis	13	23	17	12	30	35	.54
20. Pneumonia	24	13	25	16	49	29	.65
21. Other respiratory diseases	2	5	1	5	3	10	.10
22. Peptic Ulcer	8	..	5	4	13	4	.14
23. Diarrhoea, etc.	3	1	4	3	7	4	.09
24. Appendicitis	..	1	..	4	..	5	.04
25. Cirrhosis of liver ..	..	..	1	..	1	..	.008
26. Other diseases of liver etc.	1	3	3	1	4	4	.06
27. Other digestive diseases ..	8	8	6	11	14	19	.27
28. Acute & Chronic Nephritis	27	24	26	17	53	41	.79
29. Puerperal Sepsis	..	4	..	4	..	8	.06
30. Other Puerperal causes ..	..	4	..	3	..	7	.05

31. Congenital debility, premature birth, malformations etc.	24	14	8	14	32	28	.50
32. Senility	10	22	24	28	34	50	.70
33. Suicide	6	..	7	2	13	2	.12
34. Other violence	18	8	17	8	35	16	.42
35. Other defined diseases ..	42	41	24	37	66	78	1.2
36. Causes ill-defined or unknown	3	1	2	2	5	3	.06

AGE AND SEX DISTRIBUTION OF DEATHS.

Sex.	*All ages*	*Under* 1	1	–2	–5	–15	–25	–35	–45	–55	–65	–75
Males ..	941	66	5	10	11	25	35	51	86	171	225	256
Females ..	912	41	6	10	13	23	35	41	72	143	196	332

TUBERCULOSIS.

During the year Tuberculosis was responsible for 155 deaths, a rate of 1.3 per 1,000 of the population.

Table shewing the number of registered deaths (and the death-rate per 10,000 of the population) from Tuberculosis during the last 10 years :—

Year.	*Number of registered deaths from T.B.*	*Death-rate from Tuberculosis per* 10,000 *of the population.*
1928	202	.. .. 16.
1929	160	.. .. 12.
1930	153	.. .. 12.
1931	185	.. .. 15.
1932	152	.. .. 12.
1933	148	.. .. 12.
1934	142	.. .. 11.
1935	146	.. .. 12.
1936	147	.. .. 12.
1937	155	.. .. 13.

SUMMARY OF NOTIFICATIONS DURING THE PERIOD FROM THE 1st JANUARY, 1937 TO THE 31st DECEMBER, 1937

Age Periods.	*Formal Notifications.*												*Total Notifi-ca-*
	Number of Primary Notifications of new cases of tuberculosis.												
	0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	*Total (all ages).*	
Pulmonary Males ..	..	1	2	1	8	13	30	15	17	13	7	107	108
Pulmonary Females ..	..	..	1	2	16	11	26	15	3	7	1	82	85
Non-Pulmonary Males ..	..	1	2	1	1	1	1	..	..	1	1	9	9
Non-Pulmonary Females	..	1	7	2	1	2	5	1	1	..	..	20	21

SUPPLEMENTAL RETURN.

NEW CASES OF TUBERCULOSIS COMING TO THE KNOWLEDGE OF THE MEDICAL OFFICER OF HEALTH DURING THE ABOVE-MENTIONED PERIOD, OTHERWISE THAN BY FORMAL NOTIFICATION.

Age Periods	0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	*Total.*
Pulmonary Males	..	..	..	..	..	2	1	4	1	3	4	15
Pulmonary Females	..	..	..	1	..	1	2	1	..	1	1	7
Non-Pulmonary Males ..	..	..	..	..	..	..	1	1	..	..	..	2
Non-Pulmonary Females ..	..	..	..	..	1	..	..	..	..	..	..	1

Source of Information.	*No. of Cases.*	
	Pulmonary.	*Non-Pulmonary.*
Death Returns :—		
Fron Local Registrars	22	3
Transferable Deaths from Registrar General	—	—
Posthumous notifications	—	—
" Transfers " from other areas (other than transferable deaths)	—	—
Other Sources, if any (specify)	—	—

NOTIFICATION REGISTER.

	Pulmonary.			*Non-Pulmonary.*			*Total cases.*
	Males.	*Females.*	*Total.*	*Males.*	*Females*	*Total.*	
Number of cases of Tuberculosis remaining at the 31st December, 1937, on the Registers of Notifications kept by— District Medical Officers of Health in the County	686	542	1228	281	229	510	1738
Number of cases *removed* from the Registers during the year by reason of :—							
1. Withdrawal of notification ..	1	..	1	..	..	..	1
2. Recovery from the disease ..	4	6	10	5	4	9	19
3. Death (all causes)	61	46	107	2	2	4	111
4. Otherwise	34	15	49	4	7	11	60

DISTRIBUTION OF MORTALITY DURING THE YEAR 1937.

	Age Periods.									
	0	1	5–10	15–20	25	35	45	55	65 *and up-wards*	*Total*
PULMONARY.										
Males ..	..	..	1	10	8	13	19	24	8	83
Females ..	..	..	2	13	13	11	6	9	2	56
NON-PULMONARY										
Males ..	..	..	1	..	2	2	1	..	..	6
Females ..	..	..	4	5	..	1	..	..	..	10
	..	..	8	28	23	27	26	33	10	155

It was not necessary to take acting during the year under the Public Health (Prevention of Tuberculosis) Regulations, 1925, nor under Section 62 of the Public Health Act, 1925.

Table 1

SHOWING THE WORK OF THE CLINICS DURING THE YEAR ENDED DECEMBER 31, 1937

Diagnosis.	*Pulmonary.*				*Non-Pulmonary.*				*Total.*			
	Adults.		*Children.*		*Adults.*		*Children.*		*Adults.*		*Children.*	
	M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*
A.—NEW CASES examined during the year (excluding contacts).												
(*a*) Definitely tuberculous	80	52	2	..	5	5	2	6	85	57	4	6
(*b*) Diagnosis not completed	..	..	..	..	..	..	..	..	5	5	2	8
(*c*) Non-Tuberculous	..	..	..	..	..	..	..	..	97	100	72	58
B.—CONTACTS examined during the year :—												
(*a*) Definitely tuberculous	..	..	..	1	..	..	..	..	..	..	..	1
(*b*) Diagnosis not completed	..	..	..	..	..	..	..	..	..	..	..	2
(*c*) Non-Tuberculous	..	..	..	..	..	..	..	..	4	11	77	72
C.—CASES written off the Register as :—												
(*a*) Recovered	5	3	6	6	3	4	4	2	8	7	10	8
(*b*) Non-tuberculous (including any such cases previously diagnosed and entered on the Register as Tuberculous)	..	..	..	..	..	..	..	..	106	117	153	138
D.—NUMBER OF CASES on Register on December 31st :—												
(*a*) Definitely Tuberculous	275	172	20	13	35	50	50	42	310	222	70	55
(*b*) Diagnosis not completed	..	..	..	..	..	..	..	..	4	4	2	8

TABLE I. (Continued).

Number of :—

1. Cases on Register on January 1st	695
2. Cases transferred from other areas and cases returned after discharge under Head 3 in previous years	24
3. Cases transferred to other areas, cases not desiring further assistance under the scheme, and cases "lost sight of."	57
4. Cases written off during the year as Dead (all causes)	106
5. Attendances at the Clinics (including Contacts)	1096
6. Insured Persons under Domiciliary Treatment on the 31st December.	277
7. Consultations with medical practitioners :—	
(*a*) Personal	193
(*b*) Other	1094
8. Visits by Tuberculosis Officers to homes (including personal consultations.)	210
9. Visits by Nurses or Health Visistors to homes of patients	2286
10.	
(*a*) Specimens of sputum etc., examined	155
(*b*) X-Ray examinations made in connection with Clinic work ..	403
11. "Recovered" cases restored to Register, and included in A (*a*) and A (*b*) above.	3
12. "T.B. plus" cases on Register on December 31st.	199

Table 2 **SHOWING THE EXTENT OF RESIDENTIAL TREATMENT AND OBSERVATION DURING THE YEAR IN INSTITUTIONS APPROVED FOR THE TREATMENT OF TUBERCULOSIS.**

		In Institutions on Jan. 1st	*Admitted during the year.*	*Discharged during the year.*	*Died in Institutions.*	*In Institutions on Dec. 31st.*
Number of doubtfully Tuberculous cases admitted for observation	Adult Males	2	12	12	..	2
	Adult Females	1	11	12	..	..
	Children	8	21	23	..	6
	Total	11	44	47	..	8
Number of patients suffering from Pulmonary Tuberculosis	Adult Males	40	92	73	15	44
	Adult Females	21	56	45	9	23
	Children	2	5	5	1	1
	Total	63	153	123	25	68
Number of patients suffering from non-pulmonary tuberculosis	Adult Males	2	6	3	..	5
	Adult Females	6	10	9	1	6
	Children	5	10	9	..	6
	Total	13	26	21	1	17
Grand Total		87	223	191	26	93

Table 3.

SHOWING THE RESULTS OF OBSERVATION OF DOUBTFULLY TUBERCULOUS CASES DISCHARGED DURING THE YEAR FROM INSTITUTIONS APPROVED FOR THE TREATMENT OF TUBERCULOSIS1,

Diagnosis on Discharge from Observation	Pulmonary Cases.												Non-Pulmonary						Totals.		
	Sanatorium.						*Hospital.*														
	Stay under 4 weeks			*Stay over 4 weeks.*			*Stay Under 4 weeks.*			*Stay over 4 weeks.*			*Stay under. 4 weeks.*			*Stay over 4 weeks.*					
	M	*W*	*Ch.*	*M*	*W*	*Ch.*	*M*	*W*	*Ch*	*M*	*W*	*Ch*	*M*	*W*	*Ch*	*M*	*W*	*Ch*	*M*	*W*	*Ch*
Tuberculous	..	..	..	..	..	..	2	3	..	2	1	..	..	..	..	2	3	3	6	7	3
Non-Tuberculous	..	..	..	..	..	8	..	2	..	3	3	4	..	..	..	..	..	6	3	5	18
Doubtful ..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	1	..	..	1	3	..	2
Totals ..	..	..	..	..	..	8	3	5	..	6	4	4	1	..	1	2	3	10	12	12	23

Table 4.

SHOWING THE RESULTS OF OBSERVATION OF DOUBTFULLY TUBERCULOUS CASES DISCHARGED DURING THE YEAR FROM INSTITUTIONS APPROVED FOR THE TREATMENT OF TUBERCULOSIS.

SANATORIUM (PULMONARY CASES).

Duration of Treatment

Classification on admission to the Institution.	*Condition at time of discharge.*	**Under 3 months.*			*3—6 months.*			*6—12 months.*			*More than 12 mths.*			
		M	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	*Total*
Class T.B. Minus	Quiescent	..	..	..	2	3	1	2	1	2	..	1	..	12
	Not Quiescent	..	..	1	..	1	..	3	..	..	1	1	..	7
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Class T.B. Plus Group 1.	Quiescent	..	..	..	..	..	..	..	1	..	1	..	..	2
	Not Quiescent	..	..	..	..	1	..	..	..	..	..	..	..	1
	Died	1	..	..	..	..	..	..	..	..	..	..	..	1
Class T. B. Plus Group 2	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	..	..	..	..	2	..	3	2	..	2	..	..	9
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Class T.B. Plus Group 3	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	..	..	..	1	..	..	..	..	..	..	..	..	1
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals		1	..	1	3	7	1	8	4	2	4	2	..	33

*But exceeding 28 days.

Table 5. **SHOWING THE IMMEDIATE RESULTS OF TREATMENT OF DEFINITELY TUBERCULOUS PATIENTS DISCHARGED DURING THE YEAR FROM INSTITUTIONS APPROVED FOR THE TREATMENT OF TUBERCULOSIS.**

HOSPITAL (PULMONARY CASES).
Duration of Treatment

Classification on admission to Institution.	*Condition at time of discharge.*	**Under 3 months.*			*3—6 months.*			*6—12 months.*			*More than 12 mths.*			*Total.*
		M	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	
Class T.B. Minus	Quiescent	..	..	..	1	..	..	1	..	..	..	..	..	2
	Not Quiescent	8	4	..	5	5	1	1	..	..	..	..	..	24
	Died	1	..	..	..	..	..	..	..	..	..	..	..	1
Class T.B. Plus Group 1.	Quiescent	1	..	..	..	..	..	..	..	..	..	..	..	1
	Not Quiescent	1	1	..	..	1	..	..	..	..	..	..	..	3
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Class T.B. Plus. Group 2.	Quiescent	..	..	..	..	..	..	1	..	..	..	..	..	1
	Not Quiescent	3	3	..	8	5	..	9	3	..	..	..	..	31
	Died	1	..	..	..	..	..	..	..	..	..	..	..	1
Class T.B. Plus. Group 3.	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	4	3	..	4	1	..	..	2	..	4	1	..	19
	Died	6	3	..	1	2	..	..	1	..	1	1	..	15
Totals		25	14	..	19	14	1	12	6	..	5	2	..	98

*But exceeding 28 days.

Table 6. SHOWING THE IMMEDIATE RESULTS OF TREATMENT OF DEFINITELY TUBERCULOUS PATIENTS DISCHARGED DURING THE YEAR FROM INSTITUTIONS APPROVED FOR THR TREATMENT OF TUBERCULOSIS.

HOSPITAL (NON-PULMONARY CASES).

Duration of Treatment

Classification on admission to Institution.	*Condition at time of discharge.*	**Under 3 months.*			*3—6 months.*			*6—12 months.*			*More than 12 mths.*			*Total.*
		M	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	*M*	*F*	*Ch.*	
Bones and Joints	Quiescent	..	..	1	..	..	..	..	..	1	..	..	..	2
	Not Quiescent	..	..	..	..	..	..	..	1	1	1	4	1	8
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Abdominal	Quiescent	..	1	..	..	1	..	..	..	1	..	..	..	3
	Not Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Organs	Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Not Quiescent	..	..	..	1	..	..	..	..	..	..	..	..	1
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Peripheral Glands.	Quiescent	..	..	1	..	..	..	..	..	1	..	..	..	2
	Not Quiescent	..	..	..	..	..	..	..	..	..	..	..	..	..
	Died	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals		..	1	2	1	1	..	..	1	4	1	4	1	16

*But exceeding 28 days.

CANCER.

During 1937, the number of deaths certified as being due to Cancer was 251, or at a rate of 2.1 per 1,000 of the population, as compared with a rate of 2.3 for the year 1936.

The 251 deaths occurred in the following districts :—

Urban.		Rural.	
Bangor	19	Nant Conway	7
Bethesda	11	Gwyrfai	54
Bettwsycoed	1	Lleyn	43
Caernarvon	24	Ogwen	7
Conway	17		
Criccieth	9		
Llandudno	26		
Llanfairfechan	5		
Penmaenmawr	8		
Pwllheli	9		
Portmadoc	11		
Total	140		111

AGE AND SEX DISTRIBUTION OF DEATHS.

Sex	*All Ages*	*Under* 1	1–	2—	5—	15—	25—	35—	45—	55—	65—	75
Males	116	..	..	..	..	1	3	2	15	33	34	28
Females	135	..	1	..	..	..	..	6	24	40	35	29

Deaths from Cancer in this county during the last 10 years.—

Year	*Number of Deaths.*	*Death-rate per* 1,000 *of the population.*
1928	247	1.9
1929	240	1.9
1930	254	2.0
1931	274	2.3
1932	262	2.1
1933	253	2.1
1934	244	2.0
1935	298	2.4
1936	285	2.3
1937	251	2.1

ZYMOTIC MORTALITY.

Twenty deaths occurred from the principal Zymotic Diseases.

Disease.	*No. of deaths.*	*Death-rate per 1,000 of the population.*	
		Caernarvonshire	*England & Wales*
Infantile Diarrhoea	7	* 4.3	*5.8
Diphtheria ..	9	.07	.07
Measles ..	—	—	.02
Whooping Cough ..	3	.02	.04
Scarlet Fever ..	1	.008	.01
Typhoid and Para-typhoid ..	Nil.	Nil.	—

*Rate per 1,000 Live Births.

DEATHS FROM THE MAIN DISEASES ALLOCATED TO DISTRICTS.

Districts.	*Zymotic.*	*Heart.*	*Respiratory Diseases.*	*Tuberculosis.*
RURAL DISTRICTS :				
Nant Conway	2	31	13	13
Gwyrfai	9	80	36	56
Lleyn	Nil.	70	18	23
Ogwen	2	12	9	5
URBAN DISTRICTS.				
Bangor	Nil.	29	14	13
Bethesda	Nil.	8	16	10
Bettwsycoed	Nil.	9	1	5
Caernarvon	2	38	15	9
Conway	1	35	9	5
Criccieth	Nil.	7	1	Nil.
Llandudno	1	37	14	10
Llanfairfechan	3	6	2	Nil.
Penmaenmawr	Nil.	9	Nil.	1
Pwllheli	Nil.	9	4	2
Portmadoc	Nil.	9	4	3
Rural Districts	13	193	76	97
Urban Districts	7	196	80	58
Total for county ..	20	389	156	155

Table giving particulars of the Isolation

District Served.	*Name of Hospital.*	*Accommodation.*		*Nursing Staff.*	*Total Patients admitted.*
		**No. of Beds.*	*No. of Wards.*		
Llandudno U.D.	Llandudno	28	11	5	132
Bangor Borough and by arrangement Ogwen, Bethesda and Llanfairfechan.	Bangor	20	10	6	215
Caernarvon and Pwllheli Boroughs. Criccieth & Portmadoc U.D., Lleyn, Gwyrfai R.D.	Caernarvon (Galltysil)	14	6	5	327
Conway Boro,' Nant Conway Rural, Penmaenmawr U.D., Bettwsycoed U.D., Llanrwst U.D., Hiraethog R.D.C. Aled R.D.C. (Part of)	Conway, Groesynyd	26	10	8	142

**Calculated on the Basis of* 144 *sq. ft. for each bed.*

SMALL POX.

Name of Hospital.—Glanrafon Small Pox Hospital, Caeathraw, Near Caernarvon.

Hospitals within the County and the Districts served.

Infectious Diseases.								*Number of Deaths.*		
Scarlet Fever		*Diphtheria.*		*Enteric.*		*Other Diseases*		*Scarlet Fever*	*Dip-theria*	*Other Diseases.*
M	*F*	*M*	*F*	*M*	*F*	*M*	*F*			
11	13	3	3	1	1	48	52	..	1	1
63	79	30	30	..	1	2	10	..	1	1
40	67	107	110	..	..	1	2	..	1	2
41	49	11	15	..	1	25	..	..	..	1

Area Served.—Caernarvonshire. *Accommodation.*—8 beds.

Summary of the Work performed in Hospitals and Public

Name of Hospital.	*No. of Beds.*			*Nursing Staff.*	*X Ray apparatus*	*Admissions.*		
						Medical		
Voluntary Hospitals	*M*	*F*	*Total*			*M*	*F*	*Total*
C. & A. Infirmary, Bangor ..	75	60	135	45	Yes.	160	194	354
Cottage Hospital, Caernarvon	7	7	14	6	Yes.	13	19	32
Madoc Memorial Hospital, .. Portmadoc	7	9	16	6	Yes.	52	70	122
Llandudno & District Hospital Llandudno	18	21	39	15	Yes.	116	92	208
Bryn Seiont Hospital, .. Caernarvon (Tuberculosis)	23	15	38	9	Yes.	63	30	93
Sick Wards P.A .Institutions								
St. David's Hospital, Bangor	29	27	56	8	No.	137	221	358
Eryri Hospital, Caernarvon ..	29	35	64	6	No.	59	103	162
St. Mary's Hospital Conway	31	34	65	6	No.	61	65	126
"Cartref Institution," Pwllheli	14	12	26	3	No.	26	22	48

Assistance Institutions (Sick Wards) during the year 1937

Surgical.			Grand Total	No. of Discharges.			No. of deaths.		
M	F	Total		M	F	Total	M	F	Total
746	767	1513	1867	890	971	1861	46	53	99
75	93	168	200	85	105	190	3	7	10
68	69	137	259	119	139	258	7	1	8
243	233	476	684	..	..	643	32	25	57
2	8	10	103	56	28	84	8	7	15
2	3	5	363	101	132	233	25	24	49
19	23	42	204	63	104	167	16	23	39
8	7	15	141	48	44	92	19	22	41
3	1	4	52	21	19	40	8	4	12

INFECTIOUS DISEASES.

Incidence of Infectious Diseases (excluding Tuberculosis, particulars of which are on page 30), in the various Districts in the County during 1937.

DISEASES NOTIFIED.

District.	*Scarlet Fever.*	*Diphtheria.*	*Erysipelas.*	*Puerperal Fever.*	*Puerperal Pyrexia.*	*Pneumonia.*	*Other Diseases.*	*Total.*
RURAL:								
Nant Conway	15	4	..	..	..	..	2	21
Gwyrfai ..	142	128	10	1	..	3	2	286
Lleyn ..	77	19	1	..	1	16	2	116
Ogwen ..	19	6	3	..	1	1	..	30
URBAN:								
Bangor ..	73	9	6	.	5	1	5	99
Bethesda ..	50	1	4	..	1	..	..	56
Bettwsycoed	..	..	..	..	..	..	..	Nil
Caernarvon ..	60	113	3	..	..	2	2	180
Conway ..	43	17	3	1	1	7	1	73
Criccieth ..	6	1	..	..	..	..	..	7
Llandudno ..	22	5	5	..	..	13	..	45
Llanfairfechan	4	22	..	1	..	..	..	27
Penmaenmawr ..	18	1	1	..	..	2	..	22
Pwllheli ..	5	4	..	..	1	9	..	19
Portmadoc	28	..	1	..	1	..	..	30
Totals ..	562	330	37	3	11	54	*14	1011

*Other Diseases include :—

Enteric.	2
Ophthalmia Neonatorum ..	7
Cerebro Spinal Fever ..	3
Dysentry	2
	14

VENEREAL DISEASES.

(*a*) The diagnosis and treatment of Venereal Diseases is undertaken at the Caernarvonshire and Anglesey Infirmary, Bangor. Six beds are retained in the Hospital for those patients requiring special treatment. Drs. J. H. E. Davis and R. J. Helsby attend the Clinic.

CLINIC SESSIONS.

Tuesdays	..Males	..Medical Officer—Dr. R. J. Helsby	..1 pm.—3 p.m.
Fridays	..Females	Medical Officer—Dr. J. H. E. Davis	2 p.m.—4 p.m.

(b) Return relating to Caernarvonshire cases who were treated at the Bangor Treatment Centre during the year ended the 31st December 1937.

Number of Cases.	*Syphilis.* M	*Syphilis.* F	*Gonorrhoea.* M	*Gonorrhoea.* F	*Totals.* M	*Totals.* F	*Totals*
1. On 1st January under treatment or observation	9	8	18	5	27	13	40
2. Removed from the register during any previous year which returned during the year under report for treatment or observation of the same infection	..	..	1	1	1	1	2
3. Dealt with for the first time during the year under report (exclusive of cases under Item 4) :—	7	10	32	20	39	30	69
4. Dealt with for the first time during the year under report known to have received treatment at other Centres for the same infection ..	..	..	1	..	1	..	1
Totals	16	18	52	26	68	44	112
5. Discharged after completion of treatment and final tests of cure ..	1	2	22	15	23	17	40
6. Which ceased to attend before completion of treatment and were, on first attendance, suffering from	6	3	10	2	16	5	21
7. Which ceased to attend after completion of treatment but before final tests of cure	..	..	..	..	..	..	..
8. Transferred to other centres or to Institutions or to care of private practitioners	1	..	2	..	3	..	3
9. Remaining under treatment or observation on 31st December.. ..	8	13	18	9	26	22	48
Totals	16	18	52	26	68	44	112
10. Number of attendances for individual attention of the Medical Officers ..	125	186	331	91	456	277	733
11. *In-patients.*							
(*a*) Total number of persons admitted for treatment during the year ..	..	1	9	11	9	12	21
(*b*) Aggregate number of " in-patient days " of treatment given ..	..	2	176	228	176	230	406

VENEREAL DISEASES.

(c) Summary of Caernarvonshire cases (with results) treated at the Caernarvonshire and Anglesey Infirmary, Bangor, during the years 1924 to 1937.

SYPHILIS.

Year.	*Number attended.*		*Number treated.*		*Left off treatment.*		*Transferred to other Centres etc.*		*Presumed Cured.*		*Still under Treatment.*	
	M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*
1924 ..	29	21	27	21	18	12	..	..	..	..	9	9
1925 ..	36	25	36	25	10	9	..	..	..	..	26	16
1926 ..	32	16	30	16	10	6	..	..	3	..	17	10
1927 ..	31	18	31	18	13	9	..	..	2	1	16	8
1928 ..	53	33	53	33	44	22	..	..	1	1	8	10
1929 ..	44	32	44	32	34	24	..	..	..	..	10	8
1930 ..	42	30	42	30	16	9	..	..	7	2	19	19
1931 ..	23	13	23	13	15	7	3	..	..	1	5	5
1932 ..	25	26	25	26	12	15	2	3	..	..	11	8
1933 ..	25	17	25	17	13	10	1	1	3	1	8	5
1934 ..	20	8	20	8	8	2	2	..	1	..	9	6
1935 ..	21	17	21	17	4	2	..	..	5	4	12	11
1936 ..	19	15	19	15	2	2	..	..	8	5	9	8
1937 ..	16	18	16	18	6	3	1	..	1	2	8	13
Totals ..	416	289	412	289	205	132	9	4	31	17	167	136

GONORRHOEA.

Year.	Number attended.		Number treated.		Left off treatment.		Transferred to other Centres etc.		Presumed Cured.		Still under Treatment.	
	M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*M*	*F*
1924 ..	24	5	24	3	19	..	..	..	4	2	1	1
1925 ..	26	16	26	16	11	3	..	..	5	7	10	6
1926 ..	30	9	30	9	6	..	..	..	7	2	17	7
1927 ..	31	21	31	21	16	8	..	..	3	2	12	11
1928 ..	59	24	59	24	48	15	..	..	4	1	7	8
1929 ..	56	18	56	18	36	11	4	1	4	..	12	6
1930 ..	55	26	55	26	8	4	2	..	8	2	37	20
1931 ..	37	13	37	13	28	4	..	..	1	1	8	8
1932 ..	43	18	43	18	22	14	1	..	7	1	13	3
1933 ..	40	28	40	28	28	13	..	..	4	9	8	6
1934 ..	39	19	39	19	7	7	..	..	13	7	19	5
1935 ..	42	24	42	24	10	4	..	..	13	15	19	5
1936 ..	48	22	48	22	4	2	..	..	26	15	18	5
1937 ..	52	26	52	26	10	2	2	..	22	15	18	9
Totals ..	582	269	582	267	253	87	9	1	121	79	199	100

Number attended—Syphilis and Gonorrhoea	1556
Cases found not to be suffering from Venereal Disease	42
Cases of Ophthalmia Neonatorum treated (1917-1937)	57
Total number of cases who have attended the Clinic	1655

BACTERIOLOGICAL AND PATHOLOGICAL ANALYSIS.

All Bacteriological specimens are sent to the Laboratories of Messrs. Evans Sons Lescher & Webb Ltd., at Runcorn and Pathological specimens are sent to the Thompson Yates Laboratory at the University of Liverpool. The results of the analysis etc., are sent direct to the General Practitioners and copies furnished to the County Medical Officer of Health.

During the year 107 Throat Swabs were taken by the Epidemic Nurse.

The number of specimens examined for the County Council during the financial year 1937—38 is as follows :—

	Number of Specimens	*Cost* £	*s.*	*d.*
(i.) Pathological	268	50	3	6
(ii,) Bacteriological	1065	178	8	8
Total	1333	£228	12	2
(iii.) Cost of Antitoxin :—				
At Isolation Hospital		£487	17	10

NATIONAL HEALTH INSURANCE.

Medical Benefits under the National Health Insurance Act are administered by the Caernarvonshire Insurance Committee.

There were 97 doctors on the Panel List of the county on the 1st January 1938.

The number of insured persons in the county and on doctors lists on the 1st January 1938 was 44,611 and 42,434 respectively.

The total number of prescriptions issued in 1937 to insured persons who receive their medicines from Chemists (apart from insured persons in rural areas who receive their medicines from doctors) was 141,303.

Average cost per prescription ..	9.08 pence
Average cost per insured person ..	42.16 pence
Frequency rate (average number of prescriptions per insured person)	4.64.

MENTAL DEFICIENCY ACTS, 1913—1927.

The provisions of the Mental Deficiency Acts 1913—1927 are administered by a Statutory Committee consisting of members of the County Council and co-opted members.

PARTICULARS OF MENTAL DEFECTIVES AS ON 1ST JANUARY, 1938.
(*A*) "Subject to be dealt with" by the Local Authority.
(*B*) Who may become "Subject to be dealt with" by the Local Authority.

A.—NUMBER OF CASES "SUBJECT TO BE DEALT WITH":—

	M	*F*	*T*
1. Under "Order":—			
(*a*) (1) **In Institutions** (Excluding cases on Licence).			
Under 16 years of age	1	3	4
Aged 16 years and over	14	26	40
(2) On Licence from Institutions:—			
Under 16 years of age			Nil
Aged 16 years and over	5	4	9
(*b*) (1) **Under Guardianship (excluding cases on Licence):—**			
Under 16 years of age			Nil
Aged 16 years and over	7	6	13
(2) **On Licence from Guardianship:—**			
Under 16 years of age			Nil
Aged 16 years and over			Nil
2. In "Places of Safety"			
Under 16 years of age			Nil
Aged 16 years and over			Nil
3. Under Statutory Supervision.	4	8	12
Of whom:			
Awaiting removal to an Institution	4	8	12
4. Action not yet taken under any of the above headings:—			
(*a*) Notified by Local Education Authorities (Sec. 2 (2)).			Nil
(*b*) Mental Defectives in receipt of Poor Relief:—			
(1) **Institutional**			
(*a*) In Public Assistance Institutions not approved under Sec. 37	2	4	6
(*b*) In Institutions certified under the M.D. Acts, (including those approved under section 37):—			
1. Cases "Placed" under Sec. 3			Nil
2. Other Cases			Nil

(2) **Domiciliary**	35 ..	66 ..	101
(c) Otherwise "ascertained"			..Nil

B.—NUMBER OF CASES WHO MAY BECOME "SUBJECT TO BE DEALT WITH":—

1. **In Institutions or under Guardianship dealt with under Sec. 3 :—**

(a) In regard to whom the Local Authority contributes under its permissive powers .. ..Nil

(b) Maintained wholly by parents, relatives or others .. ..Nil

(2) **Reported to the Local Authority from any reliable source and recognised by them as mentally defective but as to whom no action under the M.D. Acts has been taken.**

(a) Children between the ages of 14 and 16 years			Nil.
(Of whom, number, if any, under Voluntary Supervision)			Nil.
(b) All other cases (Of whom, number, if any, under Voluntary Supervision) ..	52 ..	36 ..	88
Number of above cases on the Registers of Occupation and Industrial Centres			Nil.

Under Statutory Supervision	..Nil.
Under Voluntary Supervision	..Nil
On Licence from Institutions	..Nil
Under Guardianship	..Nil
On Licence from Guardianship	..Nil

DURING THE YEAR 1937.

1. (a) **Number of Instances in which Licence was granted during 1937 :—**

	M	F	T
From Institutions			..Nil
From Guardianship			..Nil

(b) Number of instances in which cases on Licence have been returned to Institutions or transferred to Guardianship during the year

	M	F	T
To Institutions		1 ..	1
To Guardianship			.. Nil

2. **Cases notified by Local Education Authorities (Section 2 (2) during the year 1937 :—**

	M	*F*	*T*
Sent to Institutions (by Order)			Nil
Placed under Guardianship (do.)			Nil
Placed under Statutory Supervision	1		1
Placed in Places of Safety			Nil
Died or Removed from Area			Nil
Action not yet taken			Nil
In receipt of Poor Relief			Nil
Others			Nil
Total	1		1

3. Of the Total number of Mental Defectives known to the Local Authority.
   (*a*) Number who have given birth to Children during 1937 :—
   After Marriage .. .. ..Nil
   While unmarried .. .. Nil
   (*b*) Number who have married during 1937 ..Nil

LIST OF MEMBERS OF THE MENTAL DEFICIENCY COMMITTEE.

Chairman—Councillor W. A. Roberts.

Alderman Ellis W. Davies.
,, T. Rhys Evans.
,, William George
,, O. Wynne Griffiths.
,, Isaac Jones.
,, John Owen.
,, J. R. Pritchard.
,, E. Hugheston Roberts.
Councillor D. A. Bryan.
,, Mrs. E. Darbishire.
,, H. Dowler.
,, Owen Ellis.
,, Humphrey Evans.
,, Mrs. Anne Fisher.
,, Mrs. E. Griffiths.
,, Griffith Griffiths.
,, R. J. Helsby.
,, W. M. Hooton.
,, Robert Hughes.
,, J. T. Jarrett.
,, E. R. Jones.
,, J. T. Jones.
,, Richard Jones.
,, Thomas Jones.
,, D. J. Lewis.
,, Mrs. E. M. Marks.
,, Mrs. E. S. O'Regan.

Councillor O. Gwyrfai Owen.
,, Robert Owens.
,, Hugh Parry.
,, R. J. Parry (Conway).
,, J. W. Pritchard.
,, J. Evan Roberts.
,, J. Howel Roberts.
,, Robert Roberts.
,, W. W. Spier.
,, Richard Thomas.
,, G. R. Williams.
,, John Williams.
,, W. Hugh Williams.
,, G. H. Winstanley.

Co-opted Members :—
Mrs. J. B. Breese.
Mrs. R. Gwyneddon Davies.
Mrs. W. George.
Mrs. E. Gruffydd.
Miss Hilary Humphreys.
Mrs. W. Morris Jones.
Hon. Mrs. Lloyd Mostyn.
Mrs. Dr. Parry.
Mrs. Mary Parry.
Lady Williams.

ASCERTAINMENT.

Careful School Records of mentally defective children are kept, and these form the main source of ascertainment. Relieving Officers, Welfare Workers, Probation Officers and the Police also report cases to the Medical Officer of Health. All cases are personally examined by the Medical Officer of Health.

INSTITUTIONS.

Defectives are accommodated in the following Institutions :—

Males.	*Females.*	*Institution.*	*Authority.*
13	15	Llys Ednyfed, Penrhyndeudraeth	Merionethshire C.C.
2	8	Bodfan, Caernarvon	Caernarvonshire C.C.
—	4	Ashton House Certified Institution, Oxton, Birkenhead	—
—	2	Coed Du Hall Certified Institution, Rhydymwyn, Nr. Mold	Denbighshire C.C.

GUARDIANSHIP.

Thirteen cases are under guardianship and this form of care is encouraged. The Medical Officer of Health, the Assistant School Medical Officer and the Health Visitors periodically visit all cases under guardianship.

OCCUPATION CENTRES AND HOME TRAINING.

There are no Occupation Centres in the county and defectives do not receive home training.

LICENCE, DISCHARGE AND AFTER CARE.

Nine defectives are on licence from Institutions and are kept under observation.

No cases have been discharged from the Order.

BLIND PERSONS ACT, 1920.

NORTH WALES SOCIETY FOR THE BLIND.

SUMMARY OF SOCIETY'S WORK DURING YEAR ENDED MARCH 31ST, 1938
COUNTY OF CAERNARVON.

Number of—	*Males.*	*Females.*	*Total.*
Registered Blind last year	155	171	326
Registered present year	144	170	314
New Cases	11	23	34
Cases transferred in	—	3	3
Deaths	14	22	36
Cases transferred to other counties	6	1	7
De-registered	2	4	6

Visits.

Ordinary—	
Registered	4087
Observation	712
Special—	
Registered	719
Observation	—
Totals—	
Ordinary	4799
Special	719

Grants.—Charitable Grants to the value of £61 16*s.* 0*d.*, also several grants of clothing and nourishment, and £5 0*s.* 0*d.* towards 'Degree' examination for G. B.

Per Headquarters, £45 16*s.* 10*d.* Christmas Grants, £52 15*s.* 0*d.*

Applications.—Old Age Pensions, 9; Disablement, 2; Public Assistance, 8; Other Sources, 8 (Clothworkers and Gardeners).

Surgical Services :—

Examination by Ophthalmic Surgeons	90
Sent for Hospital Treatment	13
Supplied with Spectacles etc.	59
	and one Artificial Eye

Workers :—

Registered Home Workers	13
Pastime Home Workers	49
Learners	8
In Training	4

SECRETARY'S REPORT FOR 1937—38.

Teas and other entertainments have been held at Headquarters and other centres through the kindness of private individuals or philanthropic institutions.

Two hundred and sixty-six Sick and Necessitous grants have been given, for Medical inspection or treatment, glasses and other ophthalmic appliances, underclothing, bed-clothing, extra nourishment, etc., amounting to a sum of £107.

Three hundred Christmas gifts averaging 3/6*d.* each were distributed to the amount of £52 15*s.* 0*d.*, the money being subscribed by school children.

One hundred and fourteen Bus Passes were issued at 2/6*d*, per annum for free journeys on buses within a radius of 10 miles from home.

A special Wireless Maintenance Fund has been set up and spare parts are supplied at less than half the cost price. In addition, old sets are re-conditioned and returned or re-issued to new applicants. Several new sets have been issued thanks to the British "Wireless for the Blind" Fund. The Library has been well patronised and periodicals which are posted direct to the homes, are keenly appreciated.

Upwards of 160 Unemployable and other Necessitous Cases receive weekly grants from Headquarters under the County Council scheme.

REGULATED ESTABLISHMENTS.

Summary relating to the year 1937.

These figures are taken from the reports of the District Medical Officers of Health.

Those premises situated within the District.	*No. on Register.*	*No. on Register previous year.*	*No. of Visits or Inspections.*	*No. of Premises found defective.*	*No. of Informal Notices.*	*No. of these complied with.*	*No. of Prosecutions.*	*Purveyors from outside the District.*
Cowsheds & Farm Dairies ..	882	893	1345	36	42	42	..	88
Retailing Milk Carts	388	395	493	8	8	8	..	..
Milk Shops (Dairy Shops) ..	44	45	126	2	2	2	..	..
Public Slaughter Houses ..	5	5	597	..	..	..	..	..
Private Slaughter Houses ..	117	116	1691	3	3	3	..	..
Meat Shops	200	202	1629	..	..	..	..	..
Retailing Meat Carts	84	80	358	..	..	..	..	..
Factory Bakehouses	58	52	229	7	7	7	..	..
Workshop Bakehouses ..	137	145	210	..	..	..	..	..
Bread Shops	352	363	421	..	..	..	..	..
Retailing Bread Vans	120	109	69	..	..	..	..	
Workshops(including Workshop Bakehouses and Laundries)..	935	947	805	7	7	7	..	..
Factories (including Factory Bakehouses & Laundries) ..	153	153	283	1	*1	*1	..	..
Workplaces	83	84	87	..	..	..	..	..
Home Workers Premises ..	2	1	4	..	..	..	..	..
Offensive Trades	6	5	17	1	1	..	..	..
Common Lodging-Houses ..	..	3	..	..	..	..	..	..

*One of these was a Statutory Notice.

MILK DEALERS.

Milk Dealers on the Register.	*Retailing only.*	*Retailing & Producing.*	*Wholeselling & Producing*
A.—Occupying premises within the District, and selling milk **within**, or outside, or both	70	538	50
B.—Occupying premises **outside** the District, and importing milk into the District	18	85	24

SLAUGHTER HOUSES.

IN PAST AND PRESENT USE—TOTAL COUNTY.

	In December 1935	*In December* 1936	*In December.* 1937
Registered only ..	22	21	21
Licensed	100	99	100
Total on register ..	122	120	121

THE MILK (SPECIAL DESIGNATIONS) ORDER, 1936

Return of Licences granted by the County Council and Sanitary Authorities.

Description of Licences.	*Number in force on the 31st Dec.*, 1937.
1. **Tuberculin Tested.**	
Producers licences only	4
Producers and Bottling Licence	21
*Bottling establishment not on farm	9
*Other premises	6
2. **Accredited.**	
Producers Licences only	5
Producers and Bottling Licences	17
*Bottling establishment not on farm	—
*Other Premises	—
3. *Pasteuriser's Licences for Pasteurised Milk	—

* Licences granted by the Sanitary Authorities.

HERD SAMPLING SCHEME.

County Offices,

Caernarvon,

August 31st, 1938.

Dear Sir,

I beg to aubmit my first Annual Report on the Biological Sampling of milk for Tubercle Bacilli and other work performed by me under the Milk (Special Designations) Order, 1936, and the Milk-in-Schools Scheme, for the year 1937.

Samples of milk for Biological examination are taken twice a year from all Registered producers in the County, including Tuberculin Tested and Accredited Producers. Where Accredited and Ordinary producers supply milk to schools under the Milk-in-Schools Scheme, samples are taken from those producers every two months, i.e., 6 samples per annum.

During the year 1937, 1270 samples of milk were taken representing 669 producers.

Out of the above number 1249 were reported to be negative to the Biological Test and 21 positive to the test.

On following up the positive results by the County's part time Veterinary Surgeons, 12 cows giving Tubercular milk were traced and slaughtered under the Public Health (Tuberculosis) Order, 1925, the remaining 9 were not traced. One difficulty experienced by the Veterinary Surgeons in tracing the offending cows is that a cow (or cows) has been removed from the herd since the original bulk sample was taken.

Samples of milk for Biological examination are taken at the farm, either during or immediately after the process of milking, this gives me every opportunity to form an opinion as to the general condition of the premises, and the cleanliness of their methods.

I notice that progress is gradually being made towards the production of a cleaner milk, but there still remains room for improvement. It is difficult to convince some producers that the production of a clean milk mainly depends upon common sense and cleanliness and that without these, the provision of properly designed buildings and expensive equipment can be of little avail.

I feel that the majority of milk producers define clean milk as "that which is free from all visible dirt," and it is difficult to impress upon them the difference between visible and invisible dirt, *i.e.*, too much stress is placed upon the straining of milk, when more attention to detail could be paid in the cowshed. It is nothing unusual to see milk being strained two and three times, the strainers having two or three layers of muslin tied on

them, in some cases making the milk worse than at the start. The muslin is then washed in hot water, and is allowed to dry so as to be ready to be used again. Very few realise that before muslin can be efficiently sterilised it must be boiled. Yet after all the above trouble with straining, it is nothing unusual to see them milking without having the cows' udders washed, or if washed, dried with any old piece of rag, or the practice of wet milking is carried on, or milking with hands that are not too clean.

It would also be an improvement and a great help if the long hairs on the flanks, tails and udder of the cows were kept short. This would facilitate farmers in keeping the hind quarters of the animals clean during the winter months, when the cows are kept inside practically the whole time, and especially in cases where the cowsheds are not too good.

There is evidence of continued progress being made in the housing of the animals, and a number of shippons and dairies have been recently remodelled in this county, but there still remains a good number which is below a "reasonable standard," and the lack of proper outside dairy accommodation is general throughout the County.

As the majority of farms in this County belong to Landowners, and the Milk and Dairies Order, 1926, places the onus on the producer, great difficulty is experienced by the Local Sanitary Inspectors in having alterations to premises carried out.

The same obstacle is experienced by myself with regard to farmers anxious to apply for licences to produce one of the Designated Milks. I am continually called to discuss the scheme with producers, but after an inspection of the premises, and the necessary alterations set out, either the farmer himself cannot do the work, or the Estate refuses to do it for him, the matter is then left in abeyance.

The above mentioned difficulties, together with the lack of water supply, hinders the production of a higher standard of milk production and an increase in the number of designated licences in this County. I am afraid that some Local Authorities are reluctant to allow farmers to connect their shippons on to their water mains.

I would like to draw attention to the following practices, which appear to be on the increase in this County especially Nos. 3 and 4.

1. The carriage of root crops and farm produce in milk floats at the same time as milk is delivered.
2. The collection of scrap food, stale loafs, bread crusts, etc., from customers when delivering milk.
3. Bottling milk on the streets.
4. Bottling and Selling milk in other producers bottles.

MILK (SPECIAL DESIGNATIONS) ORDER, 1936.

Under the above Order, I regularly visit farms of licence holders, and have found the conditions to be satisfactory except in one or two

isolated cases when I had to draw the attention of the producer to the unsatisfactory condition of his cowsheds. (Separate reports have been made on the above cases).

161 samples of Tuberculin Tested milk were taken for Bacteriological examination, 30 of which failed to pass the required tests.

148 samples of Accredited milk were take for Bacteriological examination, 26 of which failed to pass the required tests.

The following table gives an allocation of the failures.

Designation	*No. of failures.*	*Methelyne Blue only*	*Coliform test only.*	*Both tests.*
Tuberculin Tested Milk ..	30	5	10	15
Accredited Milk	26	6 3x 3	8	12

x Where the Bacterial Count was below the old standard of 200,000 per m.l.

Samples of milk for Biological examination are taken twice a year from all Tuberculin Tested and Accredited Producers and an additional four samples a year from Accredited Producers who supply milk to schools under the Milk-in-Schools Scheme.

Out of the above samples, one was reported positive from a Tuberculin Tested herd, and one positive result from an Accredited Herd.

In both cases the offending cow was traced and slaughtered under the Public Health (Tuberculosis) Order, 1925.

MILK-IN-SCHOOLS SCHEME.

During the year a large number of farmers were interviewed and their premises inspected, with a view to obtaining suppliers of milk to some of the Rural Schools, under the above scheme, but the response was disappointing. Suitable producers were not anxious to supply the schools because of the extra work involved, and the difference in the Milk Marketing Board's price for school milk, and that of retailed milk.

I am indebted to all the Sanitary Inspectors for readily supplying me with all requested information, and for accompanying me round their respective areas to show me the position of the various farms.

Yours faithfully,

ERNEST JONES.

Dr. D. E. Parry Pritchard,

County Offices,

Caernarvon.

HERD SAMPLING SCHEME.

Samples of Milk taken during 1937 for Biological Examinations.

District.	*No. of Producers samples.*	*Biological samples taken.*	*Negative Results.*	*Positive Results.*	*Cows placed under T.B Order, 1925.*
RURAL.					
Nant Conway ..	66	134	134	..	..
Lleyn	151	273	267	6	2
Gwyrfai	156	314	312	2	1
Ogwen	89	181	175	6	5
URBAN.					
Bangor	11	11	9	2	1
Bethesda	35	74	73	1	1
Bettwsycoed ..	7	13	13	..	..
Caernarvon ..	21	27	27	..	..
Conway	24	49	49	..	..
Criccieth ..	3	4	4	..	..
Llandudno ..	21	21	19	2	1
Llanfairfechan ..	32	64	63	1	..
Penmaenmawr ..	13	26	26	..	..
Pwllheli	12	25	24	1	1
Portmadoc ..	28	54	54	..	..
Totals ..	669	1270	1249	21*	12

* Investigations not completed in two cases.

Herd Sampling Scheme.

	1936	1937
Number of cows reported to be giving Tuberculous Milk	12 ..	21
Number of such animals detected and placed under the Tuberculosis Order	8 ..	12

STATEMENT of the number of cases slaughtered under the **TUBERCULOSIS ORDERS** of 1925 and 1931, in the various Sanitary Districts in the County of Caernarvon, during the years 1934, 1935, 1936 and 1937.

District.	*Cows in milk.*				*Other Cows or Heifers*				*Other Bovine animals*			
	1934	1935	1936	1937	1934	1935	1936	1937	1934	1935	1936	1937
BOROUGHS—												
Bangor ..	2	2	..	3	..	2	..	..	..	..	..	..
Caernarvon ..	4	..	2	4	..	2	..	..	..	..	..	1
Conway ..	1	..	1	..	..	..	..	..	..	..	..	..
Pwllheli	..	..	..	2	..	..	..	..	..	..	..	
URBAN DISTRICTS.												
Bethesda ..	4	..	..	1	..	..	..	..	..	..	..	..
Bettwsycoed ..	..	..	..	1	..	..	..	..	..	..	..	..
Criccieth	1	2	3	1	..	..	..	1	..	..	..	..
Llandudno ..	2	2	..	1	..	..	1	..	..	..	..	..
Llanfairfechan ..	1	..	..	..	..	..	..	..	..	..	..	..
Penmaenmawr ..	..	..	..	..	..	..	..	..	..	..	..	..
Portmadoc ..	1	1	3	1	..	..	1	..	..	..	..	..
RURAL DISTRICTS.												
Gwyrfai ..	30	22	38	26	2	6	4	6	1	1	1	1
Lleyn	20	15	14	42	5	6	6	10	3	3	3	2
Nant Conway ..	5	2	5	..	3	2	..	..	1	..	..	..
Ogwen	1	3	3	6	3	..	..	..	..	..	..	..
Totals ..	72	49	69	88	13	18	12	17	5	4	4	4

MIDWIVES ACT, 1936.

HEADS OF AGREEMENT in pursuance of the Midwives Act, 1936, for the provision of a domiciliary service of salaried midwives, made the day of 1937, between the COUNTY COUNCIL of the ADMINISTRATIVE COUNTY OF CAERNARVON, having their offices at Shirehall Street in the town and county of Caernarvon (hereinafter referred to as " the Council ") and the CAERNARVON COUNTY NURSING ASSOCIATION (hereinafter referred to as " the County Association ") and the DISTRICT NURSING ASSOCIATIONS named in the first column of the First Schedule (acting for the purpose of entering into this Agreement by the County Association and hereinafter collectively referred to as " the District Associations ").

1. Each of the District Associations undertakes to employ for the area indicated in the second column of the said Schedule opposite to its name the number of certified midwives specified in relation thereto in the third column of the Schedule.

2. The County Council undertakes to employ two whole-time Relief District midwives to provide for the temporary replacement of such of the midwives provided under Clause (1) as may from time to time be rendered unavailable for service.

3. The County Association and the District Associations will make such arrangements as will secure so far as practicable, that the number of midwives specified in the First Schedule in relation to any area are always available for service in that area.

4. The midwives provided under this Agreement, with the exception of two whole-time Relief District Midwives employed by the County Council, shall be the whole-time servants of the County Association or the District Association, as the case may be, which employs them.

5. The midwives so employed shall be available for attendance on women in their own homes either as midwives, or, if a doctor is engaged for the confinement, as maternity nurses in childbirth and from time to time thereafter during a period not less than the lying-in period as defined in the rules for the time being of the Central Midwives Board.

6. The Salaries and other emoluments paid to the midwives so employed shall be those specified in the Second Schedule hereto, and the fees charged for their services as midwives and maternity nurses respectively shall not exceed those specified in the Third Schedule hereto.

7. The County Association and the several District Associations shall supply the Council with a list of the names and addresses of the midwives employed by them in pursuance of this Agreement, and shall forthwith inform the Council of any change in the list.

8. The County Association and the several District Associations shall keep records of the cases attended by the Midwives employed by them in

pursuance of this Agreement, and of the numbers of their attendances in each case, distinguishing between attendances as midwives and attendances as maternity nurses.

9. The County Association and the several District Associations shall supply the Council with such financial and other returns as the Council may reasonably require, including a copy of the audited annual accounts of the Association, and the records kept by the County Association and the District Associations shall be open to inspection by the Medical Officer of Health of the Council, or by any other officer of the Council specially authorised for that purpose.

10. The Council undertakes during the currency of this Agreement to pay to the County Association the sum of £1000 per annum in addition to the annual sums not exceeding those specified in the Fourth Schedule hereto, such payments to be made on the 1st day of April, 1st day of July, 1st day of October and 1st day of January in each year, and the County Association undertakes to pay out of the said sums to each of the District Associations such amounts as may be agreed between the Council and the County Association.

11. The County Council and the County Nursing Association shall each be responsible for 50% of the cost of providing 10 motor cars for use in the County during the next fiv years, the cars to be supplied at the rate of two per annum, this grant to be subject to review at the end of the first and second year. A provision of £150 per annum is also made for securing transport facilities in areas where cars are not provided by the Council, and the County Nursing Association, as mentioned in the foregoing paragraph.

12. A maximum number of 35 telephones shall be provided at a total cost to the County Council of not exceeding £140 per annum.

13. The County Association and each of the District Associations agree with the Council that :—

(i) Any difference or dispute between any of the parties arising out of this Agreement shall be referrred to a single arbitrator appointed by agreement between the parties, or, in default of agreement, by the Minister of Health, and

(ii) This Agreement shall have effect as from the Thirty-first day of October, 1937, and shall continue in force as respects each of the areas mentioned in the First Schedule, subject to any variations which may be agreed between the Council, the County Association and the District Association for that area, until it is determined, either by agreement between the said parties, or by not less than six months' notice in writing, terminating on the Thirty-first day of March in any year given with the consent of the Minister by any one of the said parties.

FIRST SCHEDULE.

Name of District Association.	*Area to be served.*	*Number of Midwives to be employed*
1. Aberdaron ..	..Aberdaron	1
2. Bangor	..Borough of Bangor and part of Llandegai	4
3. Beddgelert ..	..Beddgelert and part of Dolbenmaen	1
4. Bethel and district	..Pentir and Llanddeiniolen (parts of)	1
5. Bettwsycoed ..	..Bettwsycoed and Capel Curig ..	1
6. Caerhun and Llanbedr	..Caerhun, Llanbedr and part of Llangelynin	1
7. Caernarvon ..	..Llanbeblig	2
8. Chwilog ..	..Llanarmon, Abererch, Llangybi and Llanystumdwy (parts of) ..	1
9. Clynnog	..Clynnog	1
10. Criccieth and Llanystumdwy ..	Criccieth and part of Llanystumdwy	1
11. Conway ..	..Conway, Gyffin, Llechwedd and part of Llangelynin	2
12. Deganwy & Llandudno Junction	Llanrhos, Pydew—Pensarn Bridge, Llancystenyn	2
13. Dolbenmaen & District	Dolbenmaen (part of)	1
14. Dolgarrog and Maenan	Dolgarrog, Maenan and a part of Llanrhychwyn	1
15. Dolwyddelen ..	..Dolwyddelen	1
16. Edern and Tudweiliog	Edern, Tudweiliog, Penllech, Llandudwen and part of Llaniestyn	1
17. Efailnewydd ..	..Bodvean, and parts of Penrhos, Llannor and Llanfihangel ..	1
18. The Eifl	..Pistyll, parts of Llannor and Llanaelhaiarn	1
19. Fourcrosses ..	..Parts of Abererch, Llannor, Llanystumdwy and Carnguwch ..	1
20. Llanengan, Llangian and Llanbedrog..	..Llanengan, Llangian and Llanbedrog ..	1
21. Llanberis ..	..Llanberis, and part of Llanrug ..	1
22. Upper Llanddeiniolen	..Upper part of the parish of Llanddeiniolen	1
23. Llandudno and Penrhynside	Llandudno, Penrhyn, parts of Llanrhos and Llancystenyn ..	3
24. Llandwrog ..	..Llandwrog (part of)	1
25. Llanfairfechan & Aber	..Llanfairfechan and part of Aber ..	2
26. Llanrug ..	..Llanrug (part of)	1
27. Llanwnda ..	..Llanwnda, and parts of Llandwrog and Waenfawr	1
28. Nantlle Vale ..	..Llanllyfni and part of Llandwrog	2
29. Nevin ..	..Nevin and part of Pistyll	1

30. Ogwen ..	..Bethesda, Llandegai (part of) and Llanllechid	3
31. Penmaenmawr ..	..Dwygyfylchi	1
32. Penmachno and Cwm	..Penmachno and Cwm, and the Parish of Eidda	1
33. Penmorfa ..	..Penmorfa, Ynyscynhaiarn & Treflys	1
34. Port Dinorwic and Penrhosgarnedd ..	..Llanfairisgaer and part of Pentir ..	1
35. Portmadoc ..	..Ynyscynhaiarn and Treflys ..	2
36. Pwllheli	..Parish of Denio	1
37. Sarn Meillteyrn	..Botwnnog, Bryncroes, Llandegwning, Meillteyrn and parts of Rhiw, Llanfaelrhys, Llangwnadl and Llaniestyn	1
38. Trefriw & Llanrhychwyn	Trefriw and Llanrhychwyn ..	1
39. Trevor ..	..Llanaelhaiarn (part of)	1
40. Waenfawr ..	..Waenfawr, Bettws Garmon and part of Llanrug	1

SECOND SCHEDULE.

SALARIES.

Queen's Nurses with C.M.B. Certificate.

£90 per annum rising by four yearly increments of £5 to £110 per annum, plus £54 for Board and Laundry.

Nurse-Midwives (Not State Registered).

£50 per annum rising by four yearly increments of £5 to £70 per annum, plus £54 for Board and Laundry.

Relief District Midwives.

£200 per annum rising by five annual increments of £5 to £225 per annum, with an allowance of £10 per annum for uniform, the Council to provide travelling facilities and expenses.

State Registered Nurses with C.M.B. Certificate (Not being Queen's Nurses).

£70 per annum rising by annual increments of £5 to a maximum of £90 per annum, plus £54 for Board and Laundry.

ROOMS.

Rooms to be provided by the Local Nursing Association.

The cost of rooms vary in different areas from 10/- to £1 per week. In view of this, it is considered advisable to fix a standard cash salary for each Nurse.

UNIFORM will be provided to the value of £8 annually for the above Midwives, except the Relief District Midwives, who are granted an allowance of £10 per annum for uniform.

THIRD SCHEDULE.

Name of District Association	Fees to be charged to Patients.			
	MIDWIFERY.		*MATERNITY.*	
	Sub-scribers.	*Non-Sub-scribers.*	*Sub-scribers.*	*Non-Sub-scribers.*
1. Aberdaron	20/-	25/-	15/-	20/-
2. Bangor	20/-	25/-	20/-	25/-
3. Beddgelert	12/-	20/-	10/-	15/-
4. Bethel and District	15/-	20/-	7/6	12/6
5. Bettwsycoed	25/-	50/-	12/6	25/-
6. Caerhun and Llanbedr	21/-	42/-	15/-	30/-
7. Caernarvon	£1/10/0 per case. Reduction of 10/- or more in cases with no maternity benefits or poverty.			
8. Chwilog	15/-	21/-	15/-	21/-
9. Clynnog	15/-	25/-	10/-	20/-
10. Criccieth and Llanystumdwy	21/-	21/-	21/-	21/-
11. Conway	21/-	21/-	15/-	15/-
12. Deganwy and Llandudno Junction	21/-	42/-	15/-	21/-
13. Dolbenmaen & District	15/6	21/-	12/6	15/6
14. Dolgarrog and Maenan	17/6	35/-	12/-	25/-
15. Dolwyddelen	15/-	30/-	10/-	20/-
16. Edern and Tudweiliog	16/6	21/-	12/6	16/6
17. Efailnewydd	21/-	26/-	21/-	26/-
18. The Eifl	13/6	30/-	10/6	26/-
19. Fourcrosses	21/-	21/-	12/6	12/6
20. Llanengan, Llangian and Llanbedrog	21/-	42/-	15/-	30/-
21. Llanberis	21/-	21/-	15/-	15/-
22. Upper Llanddeiniolen	21/-	26/-	15/6	21/-
23. Llandudno and Penrhynside	30/-	—	21/-	—
24. Llandwrog	21/-	30/-	10/6	15/-
25. Llanfairfechan and Aber	25/-	40/-	25/-	40/-
26. Llanrug	21/-	31/-	12/6	22/6
27. Llanwnda	10/6	21/-	10/6	21/-
28. Nantlle Vale	15/-	30/-	10/6	30/-
29. Nevin	15/6	30/-	10/6	21/-
30. Ogwen	15/-	30/-	15/-	30/-
31. Penmaenmawr	21/-	21/-	21/-	21/-
32. Penmachno and Cwm	17/6	32/6	17/6	32/6
33. Penmorfa	21/-	25/-	10/6	15/-
34. Portdinorwic and Penrhosgarnedd	15/-	25/-	7/6	15/-

35. Portmadoc	30/-	30/-	21/-	21/-
36. Pwllheli	21/-	—	21/-	—
37. Sarn Meillteyrn	15/-	20/-	10/-	20/-
38. Trefriw and Llanrhychwyn	23/-	34/-	18/-	20/-
39. Trevor	15/-	—	12/6	—
40. Waenfawr	15/-	32/6	10/-	25/-

Necessitous cases shall be considered on their merits by the Local Nursing Associations, and the whole or part of the fee may be remitted.

Where there is no figure in the " Non-Subscriber Column " a standard fee has not been fixed by the Association.

FOURTH SCHEDULE.

PAYMENTS TO COUNTY NURSING ASSOCIATION BY COUNTY COUNCIL.

	1st Year.	*2nd Year.*	*3rd Year.*	*4th Year.*	*5th Year.*
	£	£	£	£	£
Salaries	597	852	1107	1362	1617
Transport Facilities	230	310	390	470	550
Telephones	140	140	140	140	140
Totals	967	1302	1637	1972	2307

FUTURE DEVELOPMENTS,

AMALGAMATION OF AREAS.

The following recommendations formulated by the Secretaries of the County Nursing Association, the County Superintendent Nurse and the County Medical Officer of Health shall be adopted as a basis of future development :—

Bettwsycoed.

To ask this Association to be responsible for the general nursing at Capel Curig as well as the nursing of maternity and midwifery cases.

Chwilog and Fourcrosses.

To explore the possibility of these two Associations being joined and the provision of a Queen's Nurse.

Clynnog and Trevor (or Penygroes).

Enquiries to be made as to the possibility of either (*a*) combining the Clynnog and Trevor areas or (*b*) combining Clynnog and Penygroes.

Deganwy, Etc.

At present two Village Nurses employed. Recommended that an effort be made to secure one Queen's Nurse, and, having regard to the nature of the locality and population, greater efforts be made locally to increase the amount of the subscriptions, etc.

Dolgarrog.

Enquiries to be made as to the possibility of establishing a Queen's Nurse in this locality.

Efailnewydd.

Suggested that Pwllheli should take over this district and employ two Nurses.

Llanbedrog, Etc.

The possibility of dividing the district into two areas to be considered, one to include the Llanbedrog district and the other the Abersoch district.

Pwllheli (see Efailnewydd).

Enquiries to be made as to the possibility of absorbing Efailnewydd in the Pwllheli area and to secure one Queen's Nurse.

Trefriw.

To investigate the possibility of combining this area with Dolgarrog and to secure a Queen's Nurse.

Queen's Nurses.

The Council will expect the Local District Nursing Associations to provide Queen's Nurses in preference to Village Nurses.

SCHOOLS.

Full particulars of the sanitary conditions and water supplies of schools will be found on pages 10 and 11 of my report as School Medical Officer for the year 1937.

WATER SUPPLIES.—RETURN FOR 1936—37.

Source of Supply.	*Number.*	*Filtered and/or Chlorinated.*	*Samples taken*		*Results of Tests.*
			Bacteriological.	*Chemical.*	
URBAN DISTRICTS.					
BETHESDA U.D.					
Rivers	1	No.	1	2	Satisfactory.
Springs	1	No.	1	..	Unsatisfactory.
BANGOR BOROUGH ..					
Streams	1	Filtered and Chlorinated	6	2	Satisfactory.
Springs	1	Filtered and Chlorinated	6	2	Satisfactory.
BETTWSYCOED U.D.					
Lakes	1	No.	Nil.	Nil.	
CRICCIETH U.D.					
Springs	2	No.	3	5	Satisfactory.
CONWAY BOROUGH					
Lake	1	No.	Nil.	Nil.	
CAERNARVON BOROUGH.					
Rivers	1	Chlorinated only	4	1	Satisfactory.
LLANFAIRFECHAN U.D.					
Lakes	1	Filtered only	Nil.	1	Satisfactory.
Stream	1	No.	Nil.	Nil.	
LLANDUDNO U.D.					
Lakes	2	No.	3	2	Satisfactory.
PENMAENMAWR U.D.					
Streams	1	No.	2	Nil.	Satisfactory.
PWLLHELI BOROUGH.					
Springs	1	No.	1	2	Satisfactory.
Streams	1	No.	Nil.	Nil.	

WATER SUPPLIES.—RETURN FOR 1936—37.—Continued.

Source of Supply.	*Number.*	*Filtered and/or Chlorinated.*	*Samples taken*		*Results of Tests.*
			Bacteriological.	*Chemical.*	
PORTMADOC U.D.					
Springs	1	No.	Nil.	Nil.	
RURAL DISTRICTS.					
NANT CONWAY.					
Lakes	2	No.	Nil.	Nil.	
Streams	1	No.	Nil.	Nil.	
Springs	1	No.	Nil.	Nil.	
LLEYN.					
Springs	7	1 Filtered only	6	5	3 Bacteriological Unsatisfactory
Streams	1	Filtered only.	Nil.	Nil.	
OGWEN.					
Lakes	1	No.	1	1	Satisfactory.
Streams	1	Filtered and Chlorinated	1	1	Satisfactory.
Springs	3	No.	Nil.	1	Satisfactory.
GWYRFAI.					
Streams	2	1 Filtered and Chlorinated	1	1	Satisfactory.
Springs	16	2 Filtered only	3	3	3 Chemical Unsatisfactory.
Lakes	1	Filtered only	Nil.	Nil.	
Rivers	1	Filtered only	Nil.	Nil.	

ADMINISTRATION OF FOOD AND DRUGS ACTS.

NUMBER OF SAMPLES ANALYSED AND ADMINISTRATIVE ACTION TAKEN DURING THE YEAR ENDED THE 31st DECEMBER, 1937.

Article.	*No. of samples analysed.*	*Result of Analysis.*		*Prosecutions.*	*Officially cautioned.*	*No action.*	*Remarks.*
		Genuine.	*Non. Genuine.*				
Milk	165	145	20	4	13	3	Samples for comparison purposes.
Butter	18	17	1	—	1	—	
Baking Powder..	8	6	2	—	2	—	
Cheese	6	6	—	—	—	—	
Pepper	6	6	—	—	—	—	
Lard	5	5	—	—	—	—	
Cream	5	5	—	—	—	—	
Sausages	5	3	2	1	1	—	
Cake Flour	2	2	—	—	—	—	
Custard Powder	2	2	—	—	—	—	
Blanc Mange Powder ..	1	1	—	—	—	—	
Coffee	2	2	—	—	—	—	
Tinned Milk	1	1	—	—	—	—	
Yeast	1	1	—	—	—	—	
Vinegar	1	—	1	—	—	1	Informal Sample.
Potted Peas	1	1	—	—	—	—	
Creamed Mushrooms ..	1	1	—	—	—	—	
Ham Roll	1	1	—	—	—	—	
Bun Flour	1	1	—	—	—	—	
Dried Milk	1	1	—	—	—	—	
Totals	233	207	26	5	17	4	

VACCINATION.

Return shewing the number of persons successfully vaccinated and re-vaccinated at the cost of the rates by the Public Vaccinators and the Medical Officers of the Public Assistance Institutions during the year ended the 30th September, 1937

(a) PUBLIC VACCINATORS.

Name of Vaccination District	*Name of Public Vaccinator.*	*Numbers of successful Primary Vaccinations of persons*			*Number of successful Re-vaccinations, i.e., succ ssful vaccinations of persons who had been successfully vaccinated at some previous time.*
		Under one year of age.	*One year and upwards.*	*Total.*	
Conway	WilliamThomas	46	1	47	4
Llandudno	C. A. A. Lever	68	2	70	4
Bettwsycoed and Trefriw	A. Thompson Hill	11	1	12	..
Penmachno	W. E. Williams	17	1	18	1
Maenan and The Abbey ..	E. Lloyd Williams	..	..	..	..
Bangor and Pentir ..	T. Burrell	24	..	24	..
Llanfairfechan and Aber ..	Thomas Bellis	24	1	25	4
Bethesda, Llanllechid and Llandegai	Idwal G. Williams	51	2	53	6
Caernarvon	R. Armsden	77	1	78	2
Waenfawr	A. L. Miles	12	..	12	..
Llandwrog No.1	W. G.Owen	46	6	52	7
Llandwrog No. 2	E. H. Griffiths	26	..	26	..
Llanrug No. 1	J. Douglas Jones	102	..	102	7

VACCINATION (Continued).

Return showing the number of persons successfully vaccinated and re-vaccinated at the cost of the rates by the Public Vaccinators and the Medical Officers of the Public Assistance Institutions during the year ended the 30th September, 1937.

(a) PUBLIC VACCINATORS.

Name of Vaccination District.	*Name of Public Vaccinator.*	*Numbers of successful Primary Vaccinations of persons*			*Number of successful Re-vaccinations, i.e., successful vaccinations of persons who had been successfully vaccinated at some previous time.*
		Under one year of age.	*One year and upwards.*	*Total.*	
Llanrug No.2	G. Ap Vychan Jones	19	..	19	9
Pwllheli	T. H. Rhys	56	1	57	1
Abercrch	T. H. Rhys	20	..	20	..
Tremadoe	Arwyn Roberts	65	12	77	2
Criccieth	R. Prytherch	18	3	21	..
Llanaelhaiarn	J. L. Rowlands	23	3	26	3
Abersoch	G. H. D. Evans	23	1	24	1
Nevin	H. Hughes Jones	42	..	42	12
Aberdaron	Lloyd W. Hughes	26	1	27	3
	Totals	796	36	832	66
PUBLIC ASSISTANCE INSTITUTIONS.					
Dolwaen, Conway	W. Thomas	4	..	4	..
Cartref, Pwllheli	W. Charles Evans	..	..	..	..
St. David s Hospital, Bangor	L. Lancaster	5	..	5	..
Eryri, Caernarvon	W. Hilton Parry	..	..	..	..
	Totals	9	..	9	..

VACCINATION.

RETURN, respecting the Vaccination of Children whose Births were registered from 1st January to 31st December, 1936, inclusive.

Registration Sub-Districts comprised in the Vaccination Officer's District.	Number of Births returned in the "Birth List Sheets" as registered from 1st January to 31st December, 1936.	Number of these Births duly entered by 31st January, 1938, in Columns I., II IV. and V. of the "Vaccination Register" (Birth List Sheets), viz.: Col. I. Successfully Vaccinated.	Col. II. Insusceptible of Vaccination.	Col. II. Had Small Pox.	Col. IV. Number in respect of whom Statutory Declarations of Conscientious Objection have been received.	Col. V. Died unvaccinated.	Number of these Births which on 31st January, 1938, remained unentered in the "Vaccination Register" on account (as shown by "Report Book") of: Postponement by Medical Certificate.	Removal to Districts the Vaccination Officers of which have been duly apprised	Removal to places unknown or which cannot be reached; and Cases not having been found.	Number of these Births remaining on 31st Jan., 1938, neither duly entered in the "Vaccination Register" (columns 3, 4, 5, 6 and 7 of this Return) nor temporarily accounted for in the "Report Book" (columns 8, 9 and 10 of this Return).	Total number of Certificates and copies of certificates of Successful Primary Vaccination of **Children under 14** received during the **Calendar Year 1937.**	Number of Statutory Declarations of **Conscientious Objection actually received** by the Vaccination Officer irrespective of the dates of birth of the children to which they relate **during the Calendar Year 1937.**
1	2	3	4	5	6	7	8	9	10	11	12	13
Llandudno	239	102	..	..	63	17	25	31	1	..	89	53
Conway	97	36	..	..	46	3	11	1	..	..	31	42
Bettwsycoed	32	15	..	..	10	1	..	..	6	..	4	3
Yspytty	23	19	..	..	2	1	..	..	1	..	33	14
Maenan	1	..	..	..	1	..	..	..	..	..	..	1
Llanllechid	83	44	..	..	23	10	..	5	1	..	60	18
Bangor	322	95	1	..	109	10	..	67	1	39	99	99
Llanfairfechan	35	14	1	..	10	2	..	1	2	5	20	10
Caernarvon U.D.	138	112	..	..	10	11	..	3	1	1	98	22
Gwyrfai R.D.	15	11	..	..	3	1	..	..	..	..	15	3
Llandwrog	82	58	..	..	20	3	..	1	..	..	51	21
Llanllyfni	73	31	..	..	24	7	..	8	3	..	15	19
Llanrug	143	122	..	..	11	7	..	..	2	1	134	15
Criccieth	67	49	..	..	11	4	..	..	3	..	62	18
Tremadoc	94	66	..	..	19	4	1	3	1	..	72	37
Pwllheli	94	77	..	..	12	3	1	..	1	..	99	8
Aberdaron	77	71	..	..	3	3	..	..	..	..	68	6
TOTAL	1615	922	2	..	377	87	38	120	23	46	950	389

The Return for Vaccination shows that 57% of the babies born during the period 1st January to the 31st December, 1936, were successfully vaccinated.

	Nant Conway R.D.	Gwyrfai R.D.	Llevn R.D.	Ogwen R.D.	R.D. Total.	Bangor Borough.	Bethesda U.D.	Bettwsycoed U.D.	Caernarvon Borough.	Conway Borough.	Criccieth U.D.	Llandudno U.D.	Llanfairfechan U.D.	Penmaenmawr U.D.	Pwllheli Borough.	Portmadoc U.D.	Total U.D.	Total for County.
1. NEW WORKING CLASS HOUSES ERECTED & COMPLETED WITH STATE ASSISTANCE UNDER THE HOUSING ACTS.																		
(a) By the Local Authority	..	42	..	13	55	36	..	..	8	16	..	..	..	..	..	22	82	137
(b) By other Bodies or Persons	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
WITHOUT STATE ASSISTANCE.																		
(a) By the Local Authority	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(b) By other Bodies or Persons	9	12	11	..	32	60	..	..	14	55	..	..	13	6	10	..	158	190
Grand Total	9	54	11	13	87	96	..	..	22	71	..	..	13	6	10	22	240	327
2. INSPECTION OF DWELLING-HOUSES DURING THE YEAR :—																		
(i.) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	82	1512	147	393	2134	1060	40	..	560	108	430	145	15	121	22	96	2597	4731
(b) Number of inspections made for the purpose	82	1735	165	393	2375	1340	45	..	560	108	460	145	21	134	22	398	3233	5608
(ii.) (a) Number of dwelling-houses (included under sub-head (i) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	82	460	..	..	542	802	40	..		74	..	..	4	..	6	..	926	1468
(b) Number of inspections made for the purpose	..	518	..	..	518	1123	45	..	..	74	..	..	12	..	12	..	1266	1784
(iii.) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ..	..	31	136	28	195	216	35	..	90	11	..	2	4	1	6	3	368	563
(iv.) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	10	176	55	365	606	844	5	..	34	12	23	18	4	31	3	75	1049	1655
3. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES :—																		
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers.. ..	..	622	47	43	712	86	..	..	12	20	16	15	15	4	..	22	190	902
4. ACTION UNDER STATUTORY POWERS DURING THE YEAR :—																		
(a) Proceedings under sections 9, 10 and 16 of the Housing Act, 1936.																		
(i.) Number of dwelling-houses in respect of which notices were served requiring repairs	6	46	..	..	52	..	..	..	22	6	7	3	4	..	3	30	75	127
(2) Number of dwelling-houses which were rendered fit after service of formal notices :																		
(a) By owners	5	46	..	..	51	..	..	..	20	6	7	3	8	..	..	20	64	115
(b) By Local Authority in default of owners	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	2
(b) Proceedings under Public Health Acts :—																		
(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	6	112	..	..	118	..	..	..	225	77	12	..	8	13	3	..	338	456
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—																		
(a) By owners	5	100	..	..	105	..	..	..	225	77	12	..	8	13	..	..	335	440
(b) By Local Authority in default of owners	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(c) Proceedings under sections 11 and 13 of the Housing Act, 1936																		
(1) Number of dwelling-houses in respect of which Demolition Orders were made	..	9	..	23	32	..	..	..	4	11	..	..	1	..	..	..	16	48
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	..	9	..	..	9	..	..	..	4	..	..	6	1	..	..	..	11	20
(d) Proceedings under section 12 of the Housing Act, 1936 :—																		
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. HOUSING ACT, 1936—PART IV.—OVERCROWDING.																		
(a) (i) Number of dwellings overcrowded at the end of the year ..	10	456	213	58	737	65	38	..	58	27	6	43	20	14	56	39	366	1103
(ii) Number of families dwelling therein	10	457	218	67	752	65	38	..	64	26	6	44	24	14	56	46	383	1135
(iii.) Number of persons dwelling therein	52	1802	1097	366	3317	381	242	..	411	91	48	231	114	97	289	306	2210	5527
(b) Number of new cases of overcrowding reported during the year ..	..	6	16	..	22	4	..	..	..	..	..	1	..	..	..	..	5	27
(c) (i) Number of cases of overcrowding relieved during the year ..	..	49	3	..	52	..	..	..	62	..	7	9	24	17	..	7	126	178
(ii.) Number of persons concerned in such cases	..	298	18	..	316	..	..	..	295	..	29	39	114	87	..	48	612	928
(d) Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

NEW WORKING CLASS HOUSES ERECTED AND COMPLETED.

Return for 10 years up to and including 31st December, 1937.

	Nant Conway R.D.	Gwyrfai R.D.	Llevn R.D.	Ogwen R.D.	R. D. Total.	Bangor.	Bethesda.	Bettwsycoed.	Caernarvon.	Conway.	Criccieth.	Llandudno.	Llanfairfechan.	Penmaenmawr.	Pwllheli.	Portmadoc.	U. D. Total.	Total for County.
WITH STATE ASSISTANCE UNDER THE HOUSING ACTS.																		
(a) By the Local Authority	..	136	..	13	149	376	16	..	275	40	18	52	37	74	*68	22	978	1127
(b) By other Bodies or Persons	..	3	..	4	7	..	..	..	..	..	..	..	..	..	..	..	..	7
WITHOUT STATE ASSISTANCE.																		
(a) By the Local Authority	..	..	..	..	..	..	30	..	..	..	..	96	..	..	..	..	126	126
(b) By other Bodies or Persons	46	86	..	20	152	311	..	6	35	290	4	..	56	75	28	..	805	957
Total number of houses demolished during the above period	..	59	..	13	72	229	..	..	138	2	4	6	4	9	..	9	401	473

* 20 completed in November, 1927.